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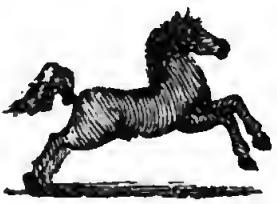

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1789 SBN

TABLES
DE
LOGARITHMES

DES NOMBRES DEPUIS 1 JUSQU'A 21750;

DES SINUS, COSINUS, TANGENTES et COTANGENTES pour chaque minute du quart de cercle;

SUIVIES

D'une TABLE CENTÉSIMALE donnant les Logarithmes de ces mêmes lignes pour chaque cent-millième du QUADRANS, depuis 0,00000 jusqu'à 0,03000, et pour chaque dix-millième depuis 0,0300 jusqu'à 0,5000.

ÉDITION STÉRÉOTYPE,
GRAVÉE, FONDUE ET IMPRIMÉE
PAR FIRMIN DIDOT.

A PARIS,
Chez FIRMIN DIDOT, Imprimeur-Libraire pour les Mathématiques, la Marine et l'Architecture, rue de Thionville, n° 10.
1809

AVERTISSEMENT

DE FIRMIN DIDOT.

J'ai fait paraître en 1795 l'édition in-8° stéréotype des Tables de logarithmes données par M. Callet. Elles offrent avec sept figures, indépendamment de la caractéristique, les logarithmes des nombres depuis 1 jusqu'à 108000, et les logarithmes sinus et tangentes de seconde en seconde pour les cinq premiers degrés, de dix en dix secondes pour tous les dégrés du quart de cercle, et suivant la division centésimale de dix-millième en dix-millième ou minute nouvelle, etc. A chaque tirage, les fautes qui s'étaient glissées dans la premiere édition ont été corrigées d'après la revision de MM. Vega, Mascheroni, etc., et sur-tout de M. De Lalande, qui a mis à surveiller lui-même les corrections un zele et un soin particuliers : aussi, depuis plus de cinq ans, n'a-t-on pas découvert dans les exemplaires des derniers tirages une seule faute, et on peut regarder ces éditions, et par conséqnent celles qui paraîtront dorénavant, comme absolument correctes.

En 1802 a paru l'édition in-18 stéréotype, par J. De Lalande. Ces Tables donnent, avec cinq figures, les logarithmes des nombres depuis 1 jusqu'à 10000, et les logarithmes des sinus et tangentes de minute en minute. Elles ont été corrigées avec tant de soin, que l'auteur n'a pas hésité de proposer 300 fr. pour chaque faute qu'on pourrait y découvrir.

Voici l'édition in-12 stéréotype, et du troisieme format, que je mets sous les yeux du public. Ces Tables contiennent les logarithmes des nombres depuis 1 jusqu'à 21750, avec six figures, et les logarithmes des sinus et tangentes, de minute en minute. Elles sont plus commodes que celles de Lacaille pour leur disposition, la page contenant cinquante lignes pour les logarithmes des nombres, et soixante lignes pour les logarithmes des sinus. On y a ajouté les Tables de logarithmes sinus et tangentes calculées d'après la division centésimale du cercle, et disposées comme celles d'Ober et d'Ideler. Elles ont été revues avec le plus grand soin par des coopérateurs des grandes Tables de logarithmes, dites du Cadastre, et j'espere que MM. les calculateurs voudront bien nous indiquer les fautes qui auront pu échapper, afin

que ces Tables deviennent en peu de temps aussi correctes que les précédentes.

Actuellement je m'occupe de plus grands travaux, et je vais poursuivre la carriere que je me suis tracée en ce genre. Je commence à stéréotyper les Tables de logarithmes grand in-4°, par M. De Prony, directeur de l'Ecole Impériale des Ponts-et-Chanssées.

Ces Tables ont été construites, d'après les méthodes et sous les yeux de M. De Prony, par des calculateurs, payés à mes frais, qui avaient travaillé à ses grandes Tables, dites du Cadastre.

Elles contiennent, avec HUIT figures, indépendamment de la Caractéristique :

1° Les logarithmes des Nombres entiers depuis 1 jusqu'à 10 000.

2° Les logarithmes des Nombres, de dixième en dixième d'unité, depuis 10 000 jusqu'à 20 000.

3° Les logarithmes des Nombres entiers depuis 20 000 jusqu'à 100 000.

4° Les logarithmes Sinus et Tangentes, de seconde en seconde, pour tous les degrés du quart de cercle.

Les Tables des logarithmes des Nombres sont entièrement nouvelles, et quant au fond et quant à la forme. D'abord elles contiennent 200 000 logarithmes, et les Tables les plus étendues que nous ayons n'en contiennent que 108 000 : ensuite, quoique les logarithmes de Vlacq, à dix figures, ne soient employés, avec toutes leurs décimales, que dans des cas extraordinaires, il est d'autres cas, beaucoup moins rares, où on a besoin de sept chiffres significatifs parfaitement exacts, qu'on ne peut obtenir qu'avec des Tables à HUIT figures, indépendamment de la caractéristique ; les calculs astronomiques, ceux où il entre des quantités dépendantes de la figure de la terre, ceux des nombres fondamentaux de diverses Tables qu'on peut avoir à construire par des additions successives, etc., etc., offriraient une foule d'exemples de la nécessité dont nous parlons. Or, les Tables de Gardiner, de Callet et de Taylor ne donnent, en général, que six chiffres parfaitement exacts : on a, sur le septieme, quand on le calcule, une petite incertitude, qui, dans les Tables de M. De Prony, se trouve renvoyée au huitieme chiffre.

Cependant l'infériorité des anciennes Tables, quant au nombre de chiffres exacts qu'elles donnent, serait, en partie, compensée par la facilité de l'interpolation, au moyen des parties proportionnelles, si M. De Prony n'avait pas

cherché et trouvé le moyen de donner aux calculateurs, à cet égard, autant et même plus de facilité que ne leur en donnent ces anciennes Tables. C'est dans cette vue qu'il a fait calculer les logarithmes de 10 000 à 20 000 de dixième en dixième d'unité, et rendu ainsi, dans cet intervalle, les premieres différences (qui sont les nombres fondamentaux des petites Tables marginales de parties proportionnelles) plus exactes, pour huit chiffres, qu'elles ne le sont pour sept chiffres, entre les mêmes limites, dans Gardiner, Callet, et Taylor. La marche par intervalles de dixième d'unités n'est plus nécessaire au-delà de 20 000.

Voilà la premiere fois que les Tables de Logarithmes donnent sept à huit chiffres par le simple usage des Tables marginales de parties proportionnelles; les Tables existantes à dix figures, qui seules peuvent donner ces sept à huit chiffres, exigent des calculs longs et fastidieux, et on peut ajouter que ces Tables sont rares et d'un prix très-élevé.

Enfin on trouve dans les Tables de M. De Prony, immédiatement, ou à vue, les logarithmes des Nombres entiers de 100 000 à 200 000 (on les prend entre 10 000 et 20 000, en employant la caractéristique convenable), autre circonstance nouvelle qui ajoute beaucoup à l'utilité de ces Tables.

Les divers avantages dont nous venons de parler auraient été perdus pour la Trigonométrie, c'est-à-dire, pour la branche de calcul où il importait le plus de les conserver, si les logarithmes Sinus et Tangentes n'avaient pas été calculés à huit figures, comme ceux des Nombres. Taylor, qui en a formé, ainsi que M. De Prony, une Table procédant de seconde en seconde, ne les donne qu'avec sept figures. Les Tables que j'annonce ont donc, à cet égard, une grande supériorité sur celles de Taylor; elles en ont une autre très-importante, relativement à la maniere dont elles sont disposées pour prévenir toute erreur dans la recherche des Logarithmes, soit dans les Nombres, soit dans les Sinus. Un exemple pris au hasard justifiera mon assertion.

Dans les Tables de Taylor (voyez log. sin. de 23° 13′) la troisieme ligne horizontale représente les trois chiffres qui doivent être placés immédiatement après la caractéristique 9, depuis 1″ jusqu'à 55″ inclusivement; le dernier à droite de ces chiffres n'est constant que jusqu'au log. sinus de 23° 13′ 55″, et change à compter du log. suivant: le nombre 595 devient alors 596, mais rien n'indique explicitement dans ces Tables un tel changement, si ce n'est la rencontre d'un zéro formant la quatrieme figure du logarithme; dans ce cas, le calculateur ne doit pas prendre

pour les trois premieres figures du logarithme le nombre qui est en tête de la colonne, mais celles qui sont en tête de la colonne suivante ou précédente, à droite pour les sinus, et à gauche pour les cosinus. La plus légere distraction, inévitable lorsque la mémoire est suffisamment occupée d'un problême et de la méthode de le résoudre, fait nécessairement oublier de recourir à ces colonnes. Aussi M. Méchain avait-il eu le soin, je dirai même la patience, de marquer par un gros point, dans son exemplaire, dont j'ai fait l'acquisition, tous les endroits où le dernier chiffre de la tête des colonnes devait changer. Ces avertissements, qu'il avait crus indispensables pour ne pas être trompé, sont placés et dans la colonne, et à la tête de la colonne; ils se renouvellent ordinairement vingt fois par page, et trente fois dans quelques occasions. Il arrive même que la variation a lieu (voyez sin. 7° 4′) jusqu'à trois fois dans une seule colonne, ensorte que les trois chiffres de tête qui devraient s'appliquer à la plus grande partie de la colonne, n'existent nulle part.

Pour éviter ce grave inconvénient, j'ai cru devoir reporter, de dix en dix espaces, les trois chiffres de la tête des colonnes, et je les ai par-là rapprochés de l'œil du calculateur : il en résulte que la variation a souvent lieu dans les intervalles; ensuite lorsque, par la rencontre d'un zéro, le dernier des trois chiffres doit éprouver un changement, j'en ai averti par deux filets très-visibles, entre lesquels même sont placés les trois chiffres convenables, sans cependant déranger l'ordre typographique, ce qui ne laisse pas même la possibilité de se tromper une seule fois.

Pour prévenir toute erreur dans les logarithmes des Nombres, on a suivi la disposition ingénieuse établie par M. Callet.

Cette édition grand IN-QUARTO, d'un format plus commode que celui des Tables de Taylor, imprimée avec soin sur papier Nom-de-Jésus, mais fabriqué tout exprès pour l'édition même, et dont on délivrera aux Souscripteurs une feuille de modele tant pour le caractere, le papier et le format, que pour la disposition des Tables, rue de Thionville, n° 10, est sous presse. Elle pourra paraître dans l'année 1810, s'il y a un nombre suffisant de Souscripteurs.

SOUSCRIPTION.

FIRMIN DIDOT n'a pas cru devoir employer jusqu'ici, pour ses opérations commerciales, le moyen des souscrip-

tions, dont on a quelquefois abusé. Il ne dissimule pas cependant qu'une telle entreprise, dont l'exécution pourrait être encore long-temps différée, ne fût terminée promptement, si un certain nombre de souscripteurs le secondait dans ses travaux. Indépendamment de fonds considérables, il faut prendre tant de peines, d'attention, de soins multipliés et renaissants pour donner avec exactitude une pareille édition, qu'il pense avoir droit à quelque faveur.

Il croit devoir rappeler à ses concitoyens, non pas que la Commission du Bureau des Longitudes (Secrétaire, M. le chevalier Harry Parker) a accordé à l'entrepreneur des Tables anglaises, à titre de gratification, un encouragement pécuniaire, moyen qui, utile et puissant en Angleterre, n'aurait peut-être pas le même effet en France; mais il croit devoir leur rappeler que l'entrepreneur a été secondé par un grand nombre de souscriptions. Il espère la même bienveillance.

Les noms des Princes, Dignitaires, particuliers ou libraires de tous les pays, seront inscrits avec la désignation du nombre d'exemplaires pour lequel chacun aura souscrit.

MM. les Souscripteurs pourront, s'ils le jugent à propos, ne payer que la moitié de la somme en souscrivant, et la seconde moitié en retirant l'ouvrage; il leur sera donné un reçu de la somme qu'ils auront remise.

Le discours préliminaire que compose actuellement M. De Prony, sera traduit en russe, en anglais, en allemand et en italien. Chaque exemplaire, en quelque langue qu'il soit, offrira la liste de MM. les Souscripteurs qui voudront bien indiquer leurs nom, prénoms et qualités, écrits très-distinctement : cette liste sera STÉRÉOTYPE comme l'édition, et se renouvelant toujours, portera à la postérité la plus reculée le nom des amis des sciences qui auront favorisé l'entreprise.

La Souscription des Tables de M. De Prony sera fermée à la fin de 1810; et si le nombre des souscriptions à cette époque n'excede pas celui de trois cents, l'argent sera déposé chez M. Schneider, notaire, rue Saint-Méry, et remis à MM. les Souscripteurs, qui voudront bien en faire passer le reçu.

Le prix de ces Tables sera de 96 francs pour le public, et seulement de 72 francs pour ceux qui auront souscrit chez FIRMIN DIDOT, Graveur de l'Imprimerie Impériale, et Imprimeur, rue du Regard, faubourg Saint-Germain, n° 1; ou à sa Librairie, rue de Thionville, n° 10.

DISCOURS

PRÉLIMINAIRE.

Les Tables suivantes sont à six figures pour les lignes trigonométriques et pour les nombres.

L'usage des instruments de géodésie, divisés suivant le système métrique, exigeant des tables centésimales, nous donnons les logarithmes des sinus, cosinus, tangentes et cotangentes pour la division nouvelle du quart de cercle.

Le rapport de l'ancienne division du quart de cercle à la nouvelle étant 0,9, et 90° valant 5400′ ou 324000″, le grade ou degré nouveau vaudra 54′ de l'ancien ; le 0,0001 ou minute nouvelle vaudra 32″,4 et le 0,00001 sera égal à 3″,24.

Ce rapport sert à convertir les degrés centésimaux en degrés sexagésimaux, et réciproquement.

Si l'on a 97 degrés nouveaux, pour connaitre à quel nombre de degrés anciens ils répondent, il faut les multiplier par 9 et diviser le produit par 10, ce qui donne 87°,3, ces $\frac{3}{10}$ multipliés par 60, donnent 18′, donc 97 grades valent 87° 18′.

Cette expression 0,0201 ou 2 grades et une minute nouvelle, équivaut à 1° 48′ 32″, 4. En effet, en multipliant 201 par 9 il vient 1809, qu'il faut mettre sous cette forme 1°,809.

Multipliez 0,809 par 60 et vous aurez 48′,540, multipliez encore 0,540 par 60 et il viendra 32″,4.

Réciproquement si l'on veut convertir 87° 18′ en grades, il faut convertir 18′ en parties décimales de degré, en les divisant par 60, et l'on aura $\frac{18}{60} = 0{,}3$, et diviser ensuite 87°,3 ou 873 par 9, il vient 97 grades, ou 0, Q 97. (Q exprimant le quart de cercle).

Soit encore 1° 48′ 32″,4, à convertir en grades, commencez par convertir les secondes et dixiemes de seconde en décimales de minute, en prenant le sixieme de 32″,4 rendu dix fois plus petit, et l'on aura 0′,54; puis le sixieme de 48′,54, il viendra 0°,809, et enfin divisant 1°,809 par 0,9, pour avoir des grades, vous aurez 2 grades et une minute nouvelle ou 0,0201, comme nous le savions déja.

Les méthodes employées pour calculer les logarithmes étant expliquées dans les traités d'algebre, nous croyons pouvoir nous dispenser de les rappeler au Lecteur. Nous nous bornerons à donner l'usage de ces Tables, en suivant le procédé de l'abbé Marie, toutes les fois qu'il pourra se concilier avec leur disposition.

USAGE DES TABLES.

Avant d'entrer en matiere, il est bon de rappeler que le logarithme d'un nombre entier quelconque, rendu 10,100,1000 fois plus grand que ce nombre, ne varie que dans sa caractéristique, c'est-à-dire que le logarithme de 3 étant 0,477121, celui de 30 sera 1,477121, celui

de 300 sera 2,477121, celui de 3000 sera 3,477121, etc.

1 étant le logarithme de 10; 2 celui de 100; 3 celui de 1000, pour rendre donc un nombre 10,100,1000 fois plus grand, il ne s'agit que d'ajouter 1 ou 2 ou 3 unités à la caractéristique de son logarithme.

LOGARITHMES DES NOMBRES.

Dans la recherche des logarithmes des nombres il se présente deux questions générales.

Étant donné un nombre, trouver son logarithme, et réciproquement étant donné un logarithme, trouver le nombre auquel il appartient.

Lorsque le nombre n'excede pas les limites des tables, son logarithme est toujours à la droite de ce nombre; ainsi, le logarithme de 3240 est 3,510545; celui de 32400 serait 4,510545, d'après ce que nous avons dit plus haut.

Mais si l'on demande le logarithme de 42758, qui excede les limites de ces Tables, il faut séparer par une virgule, sur la droite de ce nombre, le chiffre 8, et le nombre devient alors 4275,8; ce nombre est plus grand que 4275 et plus petit que 4276, son logarithme tombera entre ceux de ces deux nombres.

Cela posé, cherchez le logarithme de 4275, que vous trouverez être 3,630936. Pour avoir la quantité qu'il faut lui ajouter afin qu'il soit celui de 4275,8, voici comment il faut faire.

Prenez la différence 101 qui existe entre les logarithmes de 4275 et 4276, et dites : si pour une unité de différence entre deux nombres

on a 101 de différence entre leurs logarithmes, quelle sera celle pour 0,8, ou

$$1 : 101 :: 0{,}8 : x = 80{,}8,$$

quantité qu'il faudra ajouter au log. de 4275 pour avoir celui de 4275,8, mais comme ce nombre a été rendu dix fois plus petit, il faut augmenter d'une unité la caractéristique de son logarithme, et vous aurez 4,6310170 pour log. de 42758.

Soit encore proposé de trouver le logarithme de 637482. Séparez deux chiffres sur la droite par une virgule, afin que la partie restante se trouve dans les Tables, et vous aurez à chercher le log. de 6374,82, il est 3,804412 pour 6374 seulement; pour avoir la quantité qu'il faut ajouter à ce log., afin d'avoir celui de 6374,82, multipliez 0,82 par 68, différence entre les logarithmes de 6374 et 6375, et vous aurez la quantité 55,76, qui, ajoutée au logarithme de 6374, donnera 5,804468, après toutefois avoir augmenté de deux unités sa caractéristique, pour avoir le log. de 637482, nombre cent fois plus grand que 6374,82.

Pour avoir le logarithme du quarré ou du cube d'un nombre, il faut doubler ou tripler le log. de ce nombre; exemple :

On demande le logarithme du quarré de 25 : multipliez par 2 le log. de 25, qui est 1,397940, et il viendra 2,795880 pour logarithme de 625, quarré de 25; réciproquement pour avoir la racine quarrée ou cubique d'un nombre, prenez la moitié ou le tiers de son logarithme, le reste sera le log. de la racine.

Quelle est la racine quarrée de 7056? le log.

de ce nombre est 3,848559, dont la moitié 1,924279 répond à 84, racine quarrée cherchée.

Ce principe est une conséquence de la propriété qu'ont les logarithmes de changer la multiplication ou la division d'un nombre par un autre en une addition ou soustraction de leurs logarithmes.

Passons aux logarithmes des nombres entiers, joints à des fractions ordinaires ou décimales.

On demande le logarithme de $28\frac{2}{5}$; réduisez le tout en fraction, ce qui donne $\frac{142}{5}$, prenez le logarit. du numérateur, que vous trouverez être 2,152288, retranchez-en 0,698970, log. du dénominateur 5, la différence 1,453318 sera le log. cherché. Donc, le logarithme d'une fraction est égal au log. du numérateur moins celui du dénominateur; mais comme le log. du numérateur est toujours plus petit que celui du dénominateur, dans une fraction proprement dite, il faut supposer la caractéristique du log. du numérateur plus forte de 10 unités, sans cela le reste de la soustraction serait négatif, quant à la caractéristique seulement, ou il serait tout négatif en retranchant le numérateur du dénominateur. D'après ce principe le log. de $\frac{2}{3}$ sera 10,301030 — 0,477121 = 9,823909. Dans le cas de la caractéristique négative, il serait $\bar{1}$,823909; mais, si l'on veut que le log. de $\frac{2}{3}$ soit négatif dans tous ses chiffres, on aura — 0,176091. Le log. d'une fraction plus petite que l'unité pouvant être exprimé de trois manieres différentes; par exemple, logarithme $\frac{2}{3}$ = 9,823909 = $\bar{1}$,823909 = — 0,176091; le logarith. de $\frac{1}{16}$ serait 8,795880, ou $\bar{2}$,795880, ou — 1,204120.

Le cas de la caractéristique seule négative nous paraît préférable aux deux autres, parce que dans le premier cas, il faut, après l'emploi d'un log. de cette nature, se rappeler que la caractéristique est trop grande de 10 unités, et dans le deuxieme cas, lorsqu'on veut ajouter un logarithme tout négatif, il faut le soustraire, et que pour le soustraire il faut l'ajouter. La caractéristique seule négative a la propriété d'indiquer le rang qu'occupe après la virgule le premier chiffre significatif du nombre correspondant ; ainsi le logar. de $\frac{1}{16}$ ou de 0,0625 qu'on a trouvé ci-dessus de $\bar{2}$,795880, a pour caractéristique $\bar{2}$, parce que le premier chiffre significatif 6 occupe le second rang après la virgule ; à l'égard des décimales 795880 du log. ce sont les mêmes que celles de 625. On reconnaîtra la vérité de ce principe en se rappelant que

le logarithme de	1000	=	3
celui de	100	=	2
	10	=	1
	1	=	0
	0,1	=	— 1
	0,01	=	— 2
	0,001	=	— 3 etc., etc.

Quel sera le logarithme de 44,76 ? en ôtant la virgule, le nombre devient 4476, qui est cent fois plus grand. De la caractéristique du log. de ce dernier nombre, qui est 3,650890, retranchez deux unités et vous aurez le log. de 44,76. Donc, lorsqu'il s'agit d'avoir le log. d'un entier, joint à une fraction décimale, on fait abstraction de la virgule, mais on a soin de diminuer la caractéristique du log. du nombre

ainsi préparé, d'autant d'unités qu'il y a de chiffres à la droite de la virgule.

De cette maniere, le log. de 0,5249 sera le même que celui de 5249 avec une caractéristique plus petite de quatre unités; mais comme le log. de 5249 est 3,720077, vous aurez $\bar{1}$,720077 pour log. de 0,5249.

Maintenant *étant donné un logarithme, trouver le nombre qui lui répond.*

Lorsque le logarithme est tout entier dans les Tables, nulle difficulté pour trouver le nombre qui lui appartient, il est toujours à la gauche de ce logarithme.

Nous ne donnerons donc d'exemples que pour les logarithmes qui ne se trouvent pas tout entiers dans les Tables.

Soit proposé de trouver à quel nombre appartient le log. 3,976875, ce log. tombe entre ceux de 9481 et de 9482; le nombre qui lui correspond dans les Tables sera donc un entier et une fraction; pour avoir cette fraction, il faut ici faire la proportion inverse, et dire : si 46 différence entre les log. de 9481 et 9482 répond à 1, différence entre ces deux nombres, à quel nombre répondra 21, qui est la différence entre le log. proposé et celui de 9481, ou

$$46 : 1 :: 21 : x = \frac{21}{46} = 0{,}456.$$

Donc, le nombre cherché sera 9481,456.

A quel nombre répond le logarit. 5,730102? ce log., cherché avec la caractéristique 3, tombe entre ceux de 5371 et 5372; pour avoir la fraction qui doit accompagner le nombre demandé, dites : $81 : 1 :: 41 : x = \frac{41}{81} = 0{,}506.$

Donc, le nombre sera 5371,51; mais comme vous avez diminué la caractéristique de deux unités, il faut rendre ce nombre cent fois plus grand, et l'on a 537151.

Soit encore proposé de trouver le nombre correspondant au log. 0,129082 : cherchez ce log. avec une caractéristique plus forte de trois unités, et vous remarquerez qu'il tombe entre ceux de 1346 et 1347; le nombre cherché sera alors 1346, plus une fraction, que vous obtiendrez par la proportion suivante :

$$323 : 1 :: 37 : x = \frac{37}{323} = 0,11.$$

Le nombre 1346,11 appartiendra bien au logarithme 3,129082. Pour avoir celui qui répond à 0,129082, il faut reculer la virgule de trois rangs vers la gauche, parce que vous avez ajouté trois unités à la caractéristique de ce logarithme, ce qui donnera enfin 1,34611 pour le nombre cherché.

On voit par ces exemples que lorsque la caractéristique d'un logarithme est plus forte ou plus petite que celle des Tables, il faut la diminuer ou l'augmenter d'une ou plusieurs unités.

Passons à la recherche des logarithmes des sinus, cosinus, tangentes et cotangentes de la division sexagésimale.

USAGE DES TABLES SEXAGÉSIMALES.

Ces Tables comprennent les logarithmes des sinus, cosinus, tangentes et cotangentes artificiels ou logarithmiques; ce sont les logarithmes des sinus, cosinus, etc. naturels, calculés sur

celui du rayon divisé en 10000000000 de parties, dont la caractéristique est 10.

Les tangentes au-dessus de 45° étant plus grandes que le rayon, on a supprimé la dixaine qui est à leur caractéristique.

Dans les 3 premiers degrés de ces Tables, on n'a pas mis les différences des logarithmes, à cause de leur trop grande inégalité, mais on y a suppléé par des logarit. dont les quatre premiers chiffres 4,685 sont placés au haut de la page, et les trois derniers vis-à-vis chaque minute correspondante; ceux de la gauche sont pour les sinus et ceux de la droite pour les tangentes : ces logarithmes ne sont autre chose que la différence entre le logarithme du sinus ou de la tangente dont il s'agit et le logarithme du nombre de secondes de cet angle. Par exemple, le logarithme 4,685531 répond au logarithme de sinus de 1°25′; c'est la différence entre 8,393101 et 3,707570 qui est le logarit. de 5190 secondes = 1° 25′.

Faisons une application : on demande le log. de 1° 26′ 30″ ou de 5190″, c'est 3,715167; ajoutez à ce log. 4,685529, qui répondrait à 1° 26′ 30″, et vous aurez 8,400696, logarithme cherché. En opérant ainsi, le log. de 2° 15′ 35″ serait à-peu-près 8,595820 : on procede de même pour les tangentes.

Réciproquement étant donné 8,583615 pour le logarithme de la tangente d'un angle inconnu ; il faut oter 4,685788 (log. correspondant au logarit. tang. le plus approchant de 8,583615) du log. proposé 8,583615, le reste 3,897827 cherché dans les tables des log. des

nombres, répond à 7904″ = 2° 11′ 44″, et c'est à très-peu près l'angle demandé.

Autre application : soit proposé de trouver le log. tangente d'un angle de 87 à 90 degrés, de 89° 5′ 54″, par exemple, il faut ajouter 6,488651 complément arithmétique du log. de 0° 54′ 6″, pris dans les tables des log. des nombres, avec 5,314390 complément arithmétique du logarit. 4,685610, qui répond à la tangente de 0° 54′ 6″, ce qui donne 1,803041 pour logarit. tangente de 89° 5′ 54″.

Réciproquement, étant donné un logarit. tangente d'un angle compris entre 87° et 90° tel que 1,390508, trouver à quel angle il répond : ajoutez 5,314186 (complément arith. du log. 4,685814 qui répond au log. tangente donné), au complément arithmétique du log. proposé (8,609492). La table des log. des nombres vous apprendra que la somme 3,923678 des deux compléments est le log. de 2° 19′ 48″, à très-peu près ; ainsi l'angle cherché est 87° 40′ 12″, environ.

Lorsqu'un angle est au-dessous de 45°, son log. sinus est à côté du nombre de ses minutes, qui se comptent en descendant ; ainsi le log. du sinus de 32° 24′ est 9,729024 ; celui de 32° 26′ est 9,729422 ; les tangentes, les cotangentes et les cosinus se trouvent de même chacun dans sa colonne.

Lorsque l'angle est entre 45° et 90°, le log. de son sinus est dans la derniere colonne ; il faut alors compter les minutes en montant. Ainsi, pour trouver le log. sinus de 57° 34′, complément de 32° 26′, cherchez à la page où

vous avez pris celui de ce dernier angle et vous verrez au bas sur la droite le titre sinus 57 ; montez le long de cette colonne et vous trouverez 57° 34′, dont le logarithme sinus est 9,926351.

Le logarithme sinus ou tangente d'un angle obtus est le même que celui de son supplément; il n'y a donc aucun angle estimé seulement en degrés et minutes dont on ne tronve aussitôt dans les tables le sinus, cosinus, etc. ; mais lorsqu'il y a des secondes, il faut pour trouver la quantité à ajouter au log. du nombre de degrés et minutes, faire la proportion suivante :

60″ différence des deux angles entre lesquels tombe le log. donné est à la différence de leurs log. comme la différence entre le log. donné et celui qui est plus petit que lui est à un quatrieme terme qui est la quantité à ajouter ; exemple :

On demande le log. du sinus de 23° 42′ 28″; celui de 23° 42′ est 9,604170, pour avoir la quantité correspondante à 28″ dites :

60″, différence des deux angles entre lesquels tombe l'angle donné, est à 287, différence des log. sinus de ces deux angles, comme 28″, diff. entre l'angle donné et celui qui est plus petit que lui, est à un quatrieme terme qu'il faut ajouter au log. trouvé pour les deg. et minutes, c'est-à-dire,

$$60'' : 287 :: 28'' : x = \frac{8036}{60} = 134$$

le log. cherché sera donc 9,604304.

Cette méthode est commune à toutes les tables; nous allons en donner une qui est particuliere à la disposition de celles-ci. Appliquons-la à notre exemple : elle consiste à multiplier

4,79 (*) que l'on voit dans la petite colonne qui vient immédiatement après celle des sinus,

(*) Pour expliquer le procédé de calcul des quantités enfermées dans les petites colonnes, nous nous servirons d'une remarque qu'a bien voulu nous communiquer M. Haros, géometre très-habile.

Dans l'édition de 1768 des Tables de l'abbé Marie, il est dit, page 41, que la fraction que l'on donne de trois en trois log. sinus ou log. tang. etc., tient lieu de la partie proportionnelle qu'il faut ajouter au log. pour chaque seconde, en ne prenant ce log. qu'avec cinq décimales seulement.

Il est donc évident que cette partie proportionnelle pour les log. à six décimales doit être dix fois plus grande, et c'est ce qu'on a fait dans l'édition de ces Tables. Cette partie proportionnelle pour une seconde est toujours égale à la soixantieme partie de la différence entre deux log. voisins; ainsi, pour avoir la partie proportionnelle moyenne de cinq log. de suite, il faut d'abord diviser par 5 la différence des log. pris de 5 en 5, et diviser ensuite le quotient par 60, ou, ce qui revient au même, diviser chaque différence de 5 en 5 logarithmes par 5 fois 60 ou 300, ce qui se fait facilement en séparant par un point deux chiffres et en prenant le tiers; tel est le procédé qu'on a employé pour déterminer la partie proportionnelle relative à une seconde de variation.

Les Tables de l'abbé Marie ont l'inconvénient de ne donner la partie proportionnelle relative à 1″ de variation que pour les log. sinus ou tangentes à cinq décimales, tandis que ces mêmes log. ont six décimales, ce qui est une source d'erreurs pour les personnes qui veulent en faire usage. Nos Tables n'auront point cet inconvénient.

Application.

Soit proposé de trouver le log. sinus de 26° 25′ 37″: le log. de 26° 25′ est 9,648258, et la partie proportionnelle relative à une seconde de variation est 4,24; donc en multipliant 4,24 par 37″, on aura 156,88 ou 157 à ajouter à 9,648258, ce qui donnera 9,648415 pour le log. sinus de 26° 25′ 37″.

Par les Tables de l'abbé Marie, la partie proportionnelle est 0,424, parce qu'elle n'appartient qu'à des log. à cinq décimales.

par 28″ et l'on a pour produit 13412 ; séparez deux chiffres sur. la droite et ajoutant 134 à 9,604170, vous aurez 9,604304, comme ci-dessus.

Autre exemple : on demande quel est le log. sinus de 135° 52′ 39″ ; réponse, le même que celui de 44° 7′ 21″, son supplément ; or, ce dernier est pour les degrés et les minutes égal à 9,842685 : la fraction 2,17 qui tient lieu de partie proportionnelle multipliée par 21″ donne 45,57, ou 46, ajoutez cette quantité au log. trouvé, il vient 9,842731 pour le logarithme cherché.

On trouve de même le log. de la tangente de tout angle compris entre 3° et 90°, en multipliant la partie proportionnelle commune aux tangentes et cotangentes par le nombre de secondes. Ainsi, le log. tangente de 44° 7′ 21″ est pour les degrés et minutes 9,986607 ; multipliez 4,21 par 21″, le produit 88,41 ajouté à ce log. donnera 9,986695.

Pour trouver maintenant les degrés, minutes et secondes d'un angle dont on connaît le log. sinus, il faut faire l'inverse de la deuxieme méthode.

Exemple : soit le log. 9,822917 que l'on sait d'ailleurs être celui d'un sinus ; cherchez le log. sinus prochainement plus petit dans les Tables, il répond à 41° 41′, ajoutez deux zéros à la différence 87 de ces deux log. et divisez 8700 par la partie proportionnelle correspondante 236, le quotient 36,8 marque les secondes et les dixièmes qu'il faut ajouter à 41° 41′, ensorte qu'on a 41° 41′ 36″,8.

Cherchons encore à quel angle répond 0,573776 log. tangente : il faut dans ce cas lire de bas en haut, et vous trouverez qu'il répond à 75° 3′; pour avoir les secondes ajoutez deux zéros à la différence 310 des deux log. 0,573776 et 0,573466 et divisez par la partie proportionnelle correspondante 844, le quotient 36″,7 sera le nombre de secondes et dixièmes à ajouter à 75° 3′.

Le nombre de degrés, minutes et secondes de 9,968398, cherché de cette maniere, serait log. sinus de 68° 24′ 22″, 6.

USAGE DES TABLES CENTÉSIMALES.

Après ce qui a été dit sur l'usage des tables sexagésimales, il reste peu de chose à dire sur les tables centésimales.

Ces Tables donnent de cent-millième en cent-millième du quart de cercle (3″, 24) les log. sinus, cosinus, tangentes et cotangentes, depuis 0,00000 jusqu'à 0,03000, et de dix-millième en dix-millième (32″, 4) depuis 0,0300 jusqu'à 0,5000, pour les nouveaux degrés du quart de cercle.

Pour trouver le log. sinus et tangente des petits arcs qui ne sont point dans ces Tables, le procédé est le même que celui que nous avons employé à la recherche des secondes et parties décimales de secondes, dans la division sexagésimale : exemple, quel est le log. sinus de 0,023578 ?

Cherchez d'abord celui de 0,02357, qui est 8,568380, pour avoir ce qu'il faut ajouter à ce log. sinus, afin d'avoir celui de 0,023578, dites :

1 : 184 :: 0,8 : $x = 184 \times 0{,}8 = 147{,}2$, quantité qui ajoutée au premier log. donne 8,568527 pour le log. sinus de 0,023578, en procédant de même, le log. sinus de 0,001049 serait 7,216893; cet arc répond à 0° 5′ 39″,876.

Le log. tangente de 0,025585 serait 8,604339, répondant à log. tangente de 2° 18′ 9″, 54.

Réciproquement, cherchons à six décimales l'arc appartenant au log. d'un sinus qui n'est pas dans les Tables : soit par exemple 8,660398, que l'on sait être un log. sinus, ce logarithme cherché dans la Table approche de celui de 0,02913; pour avoir la sixieme décimale il faut faire l'opération inverse, et dire; 149 : 1 :: 89 : $x = \frac{89}{149} = 0{,}59$, donc la sixieme décimale est 6, et vous aurez pour l'arc cherché 0,029136.

Nous ne donnerons point d'exemples pour la recherche des grands arcs, qui n'offre aucune difficulté.

Ne nous étant proposé que d'enseigner ici l'usage de ces Tables, nous pensons que ce que nous en avons dit suffira pour mettre promptement le calculateur à même de s'en servir.

Ch. PLAUZOLES.

TABLES

DE

,OGARITHMES

DES NOMBRES

DEPUIS I JUSQU'A 21750.

N.	0. 0′ 0″ Logarith.	Dif.	N.	0. 0′ 50″ Logarith.	Dif.	N.	0. 1′ 40″ Logarith.	Dif
0	Inf. neg.		50	1.698970		100	2.000000	
1	0.000000	301030	51	1.707570	8600	101	2.004321	4321
2	0.301030	176091	52	1.716003	8433	102	2.008600	4279
3	0.477121	124939	53	1.724276	8273	103	2.012837	4237
4	0.602060	96910	54	1.732394	8118	104	2.017033	4196
5	0.698970	79181	55	1.740363	7969	105	2.021189	4156
6	0.778151	66947	56	1.748188	7825	106	2.025306	4117
7	0.845098	57992	57	1.755875	7687	107	2.029384	4078
8	0.903090	51153	58	1.763428	7553	108	2.033424	4040
9	0.954243	45757	59	1.770852	7424	109	2.037426	4002
10	1.000000	41393	60	1.778151	7299	110	2.041393	3967
11	1.041393	37788	61	1.785330	7179	111	2.045323	3930
12	1.079181	34762	62	1.792392	7062	112	2.049218	3895
13	1.113943	32185	63	1.799341	6949	113	2.053078	3860
14	1.146128	29963	64	1.806180	6839	114	2.056905	3827
15	1.176091	28029	65	1.812913	6733	115	2.060698	3793
16	1.204120	26329	66	1.819544	6631	116	2.064458	3760
17	1.230449	24824	67	1.826075	6531	117	2.068186	3728
18	1.255273	23481	68	1.832509	6434	118	2.071882	3696
19	1.278754	22276	69	1.838849	6340	119	2.075547	3665
20	1.301030	21189	70	1.845098	6249	120	2.079181	3634
21	1.322219	20204	71	1.851258	6160	121	2.082785	3604
22	1.342423	19305	72	1.857332	6074	122	2.086360	3575
23	1.361728	18483	73	1.863323	5991	123	2.089905	3545
24	1.380211	17729	74	1.869232	5909	124	2.093422	3517
25	1.397940	17033	75	1.875061	5829	125	2.096910	3488
26	1.414973	16391	76	1.880814	5753	126	2.100371	3461
27	1.431364	15794	77	1.886491	5677	127	2.103804	3433
28	1.447158	15240	78	1.892095	5604	128	2.107210	3406
29	1.462398	14723	79	1.897627	5532	129	2.110590	3380
30	1.477121	14241	80	1.903090	5463	130	2.113943	3353
31	1.491362	13788	81	1.908485	5395	131	2.117271	3328
32	1.505150	13364	82	1.913814	5329	132	2.120574	3303
33	1.518514	12965	83	1.919078	5264	133	2.123852	3278
34	1.531479	12589	84	1.924279	5201	134	2.127105	3253
35	1.544068	12235	85	1.929419	5140	135	2.130334	3229
36	1.556303	11899	86	1.934498	5079	136	2.133539	3205
37	1.568202	11582	87	1.939519	5021	137	2.136721	3182
38	1.579784	11281	88	1.944483	4964	138	2.139879	3158
39	1.591065	10995	89	1.949390	4907	139	2.143015	3136
40	1.602060	10724	90	1.954243	4853	140	2.146128	3113
41	1.612784	10465	91	1.959041	4798	141	2.149219	3091
42	1.623249	10219	92	1.963788	4747	142	2.152288	3069
43	1.633468	9985	93	1.968483	4695	143	2.155336	3048
44	1.643453	9760	94	1.973128	4645	144	2.158362	3026
45	1.653213	9545	95	1.977724	4596	145	2.161368	3006
46	1.662758	9340	96	1.982271	4547	146	2.164353	2985
47	1.672098	9143	97	1.986772	4501	147	2.167317	2964
48	1.681241	8955	98	1.991226	4454	148	2.170262	2945
49	1.690196	8774	99	1.995635	4409	149	2.173186	2924
50	1.698970		100	2.000000	4365	150	2.176091	2905

N.	0. 2' 30" Logarith.	Dif.	N.	0. 3' 20" Logarith.	Dif.	N.	0. 4' 10" Logarith.	Dif.
150	2.176091	2886	200	2.301030	2166	250	2.397940	1734
151	2.178977	2867	201	2.303196	2155	251	2.399674	1727
152	2.181844	2847	202	2.305351	2145	252	2.401401	1720
153	2.184691	2830	203	2.307496	2134	253	2.403121	1713
154	2.187521	2811	204	2.309630	2124	254	2.404834	1706
155	2.190332	2793	205	2.311754	2113	255	2.406540	1700
156	2.193125	2775	206	2.313867	2103	256	2.408240	1693
157	2.195900	2757	207	2.315970	2093	257	2.409933	1687
158	2.198657	2740	208	2.318063	2083	258	2.411620	1680
159	2.201397	2723	209	2.320146	2073	259	2.413300	1673
160	2.204120	2706	210	2.322219	2063	260	2.414973	1668
161	2.206826	2689	211	2.324282	2054	261	2.416641	1660
162	2.209515	2673	212	2.326336	2044	262	2.418301	1655
163	2.212188	2656	213	2.328380	2034	263	2.419956	1648
164	2.214844	2640	214	2.330414	2024	264	2.421604	1642
165	2.217484	2624	215	2.332438	2016	265	2.423246	1636
166	2.220108	2608	216	2.334454	2006	266	2.424882	1629
167	2.222716	2593	217	2.336460	1996	267	2.426511	1624
168	2.225309	2578	218	2.338456	1988	268	2.428135	1617
169	2.227887	2562	219	2.340444	1979	269	2.429752	1612
170	2.230449	2547	220	2.342423	1969	270	2.431364	1605
171	2.232996	2532	221	2.344392	1961	271	2.432969	1600
172	2.235528	2518	222	2.346353	1952	272	2.434569	1594
173	2.238046	2503	223	2.348305	1943	273	2.436163	1588
174	2.240549	2489	224	2.350248	1935	274	2.437751	1582
175	2.243038	2475	225	2.352183	1925	275	2.439333	1576
176	2.245513	2460	226	2.354108	1918	276	2.440909	1571
177	2.247973	2447	227	2.356026	1909	277	2.442480	1565
178	2.250420	2433	228	2.357935	1900	278	2.444045	1559
179	2.252853	2420	229	2.359835	1893	279	2.445604	1554
180	2.255273	2406	230	2.361728	1884	280	2.447158	1548
181	2.257679	2392	231	2.363612	1876	281	2.448706	1543
182	2.260071	2380	232	2.365488	1868	282	2.450249	1537
183	2.262451	2367	233	2.367356	1860	283	2.451786	1532
184	2.264818	2354	234	2.369216	1852	284	2.453318	1527
185	2.267172	2341	235	2.371068	1844	285	2.454845	1521
186	2.269513	2329	236	2.372912	1836	286	2.456366	1516
187	2.271842	2316	237	2.374748	1829	287	2.457882	1510
188	2.274158	2304	238	2.376577	1821	288	2.459392	1506
189	2.276462	2292	239	2.378398	1813	289	2.460898	1500
190	2.278754	2279	240	2.380211	1806	290	2.462398	1495
191	2.281033	2268	241	2.382017	1798	291	2.463893	1490
192	2.283301	2256	242	2.383815	1791	292	2.465383	1485
193	2.285557	2245	243	2.385606	1784	293	2.466868	1479
194	2.287802	2233	244	2.387390	1776	294	2.468347	1475
195	2.290035	2221	245	2.389166	1769	295	2.469822	1470
196	2.292256	2210	246	2.390935	1762	296	2.471292	1464
197	2.294466	2199	247	2.392697	1755	297	2.472756	1460
198	2.296665	2188	248	2.394452	1747	298	2.474216	1455
199	2.298853	2177	249	2.396199	1741	299	2.475671	1450
200	2.301030		250	2.397940		300	2.477121	

N.	0. 5′ 0″ Logarith.	Dif.
300	2.477121	
301	2.478566	1445
302	2.480007	1441
303	2.481443	1436
304	2.482874	1431
305	2.484300	1426
306	2.485721	1421
307	2.487138	1417
308	2.488551	1413
309	2.489958	1407
310	2.491362	1404
311	2.492760	1398
312	2.494155	1395
313	2.495544	1389
314	2.496930	1386
315	2.498311	1381
316	2.499687	1376
317	2.501059	1372
318	2.502427	1368
319	2.503791	1364
320	2.505150	1359
321	2.506505	1355
322	2.507856	1351
323	2.509203	1347
324	2.510545	1342
325	2.511883	1338
326	2.513218	1335
327	2.514548	1330
328	2.515874	1326
329	2.517196	1322
330	2.518514	1318
331	2.519828	1314
332	2.521138	1310
333	2.522444	1306
334	2.523746	1302
335	2.525045	1299
336	2.526339	1294
337	2.527630	1291
338	2.528917	1287
339	2.530200	1283
340	2.531479	1279
341	2.532754	1275
342	2.534026	1272
343	2.535294	1268
344	2.536558	1264
345	2.537819	1261
346	2.539076	1257
347	2.540329	1253
348	2.541579	1250
349	2.542825	1246
350	2.544068	1243

N.	0. 5′ 50″ Logarith.	Dif.
350	2.544068	
351	2.545307	1239
352	2.546543	1236
353	2.547775	1232
354	2.549003	1228
355	2.550228	1225
356	2.551450	1222
357	2.552668	1218
358	2.553883	1215
359	2.555094	1211
360	2.556303	1209
361	2.557507	1204
362	2.558709	1202
363	2.559907	1198
364	2.561101	1194
365	2.562293	1192
366	2.563481	1188
367	2.564666	1185
368	2.565848	1182
369	2.567026	1178
370	2.568202	1176
371	2.569374	1172
372	2.570543	1169
373	2.571709	1166
374	2.572872	1163
375	2.574031	1159
376	2.575188	1157
377	2.576341	1153
378	2.577492	1151
379	2.578639	1147
380	2.579784	1145
381	2.580925	1141
382	2.582063	1138
383	2.583199	1136
384	2.584331	1132
385	2.585461	1130
386	2.586587	1126
387	2.587711	1124
388	2.588832	1121
389	2.589950	1118
390	2.591065	1115
391	2.592177	1112
392	2.593286	1109
393	2.594393	1107
394	2.595496	1103
395	2.596597	1101
396	2.597695	1098
397	2.598791	1096
398	2.599883	1092
399	2.600973	1090
400	2.602060	1087

N.	0. 6′ 40″ Logarith.	Dif.
400	2.602060	
401	2.603144	1084
402	2.604226	1082
403	2.605305	1079
404	2.606381	1076
405	2.607455	1074
406	2.608526	1071
407	2.609594	1068
408	2.610660	1066
409	2.611723	1063
410	2.612784	1061
411	2.613842	1058
412	2.614897	1055
413	2.615950	1053
414	2.617000	1050
415	2.618048	1048
416	2.619093	1045
417	2.620136	1043
418	2.621176	1040
419	2.622214	1038
420	2.623249	1035
421	2.624282	1033
422	2.625312	1030
423	2.626340	1028
424	2.627366	1026
425	2.628389	1023
426	2.629410	1021
427	2.630428	1018
428	2.631444	1016
429	2.632457	1013
430	2.633468	1011
431	2.634477	1009
432	2.635484	1007
433	2.636488	1004
434	2.637490	1002
435	2.638489	999
436	2.639486	997
437	2.640481	995
438	2.641474	993
439	2.642465	991
440	2.643453	988
441	2.644439	986
442	2.645422	983
443	2.646404	982
444	2.647383	979
445	2.648360	977
446	2.649335	975
447	2.650308	973
448	2.651278	970
449	2.652246	968
450	2.653213	967

N.	0. 7' 30" Logarith.	Dif.
450	2.653213	964
451	2.654177	961
452	2.655138	960
453	2.656098	958
454	2.657056	955
455	2.658011	954
456	2.658965	951
457	2.659916	949
458	2.660865	948
459	2.661813	945
460	2.662758	943
461	2.663701	941
462	2.664642	939
463	2.665581	937
464	2.666518	935
465	2.667453	933
466	2.668386	931
467	2.669317	929
468	2.670246	927
469	2.671173	925
470	2.672098	923
471	2.673021	921
472	2.673942	919
473	2.674861	917
474	2.675778	916
475	2.676694	913
476	2.677607	911
477	2.678518	910
478	2.679428	908
479	2.680336	905
480	2.681241	904
481	2.682145	902
482	2.683047	900
483	2.683947	898
484	2.684845	897
485	2.685742	894
486	2.686636	893
487	2.687529	891
488	2.688420	889
489	2.689309	887
490	2.690196	885
491	2.691081	884
492	2.691965	882
493	2.692847	880
494	2.693727	878
495	2.694605	877
496	2.695482	874
497	2.696356	873
498	2.697229	872
499	2.698101	869
500	2.698970	

N.	0. 8' 20" Logarith.	Dif.
500	2.698970	868
501	2.699838	866
502	2.700704	864
503	2.701568	863
504	2.702431	860
505	2.703291	860
506	2.704151	857
507	2.705008	856
508	2.705864	854
509	2.706718	852
510	2.707570	851
511	2.708421	849
512	2.709270	847
513	2.710117	846
514	2.710963	844
515	2.711807	843
516	2.712650	841
517	2.713491	839
518	2.714330	837
519	2.715167	836
520	2.716003	835
521	2.716838	833
522	2.717671	831
523	2.718502	829
524	2.719331	828
525	2.720159	827
526	2.720986	825
527	2.721811	823
528	2.722634	822
529	2.723456	820
530	2.724276	819
531	2.725095	817
532	2.725912	815
533	2.726727	814
534	2.727541	813
535	2.728354	811
536	2.729165	809
537	2.729974	808
538	2.730782	807
539	2.731589	805
540	2.732394	803
541	2.733197	802
542	2.733999	801
543	2.734800	799
544	2.735599	798
545	2.736397	796
546	2.737193	794
547	2.737987	794
548	2.738781	791
549	2.739572	791
550	2.740363	

N.	0. 9' 10" Logarith.	Dif.
550	2.740363	789
551	2.741152	787
552	2.741939	786
553	2.742725	785
554	2.743510	783
555	2.744293	782
556	2.745075	780
557	2.745855	779
558	2.746634	778
559	2.747412	776
560	2.748188	775
561	2.748963	773
562	2.749736	772
563	2.750508	771
564	2.751279	769
565	2.752048	768
566	2.752816	767
567	2.753583	765
568	2.754348	764
569	2.755112	763
570	2.755875	761
571	2.756636	760
572	2.757396	759
573	2.758155	757
574	2.758912	756
575	2.759668	754
576	2.760422	754
577	2.761176	752
578	2.761928	751
579	2.762679	749
580	2.763428	748
581	2.764176	747
582	2.764923	746
583	2.765669	744
584	2.766413	743
585	2.767156	742
586	2.767898	740
587	2.768638	739
588	2.769377	738
589	2.770115	737
590	2.770852	735
591	2.771587	735
592	2.772322	733
593	2.773055	731
594	2.773786	731
595	2.774517	729
596	2.775246	728
597	2.775974	727
598	2.776701	726
599	2.777427	724
600	2.778151	

N.	0. 10' 0" Logarith.	Dif.
600	2.778151	
601	2.778874	723
602	2.779596	722
603	2.780317	721
604	2.781037	720
605	2.781755	718
606	2.782473	718
607	2.783189	716
608	2.783904	715
609	2.784617	713
610	2.785330	713
611	2.786041	711
612	2.786751	710
613	2.787460	709
614	2.788168	708
615	2.788875	707
616	2.789581	706
617	2.790285	704
618	2.790988	703
619	2.791691	703
620	2.792392	701
621	2.793092	700
622	2.793790	698
623	2.794488	698
624	2.795185	697
625	2.795880	695
626	2.796574	694
627	2.797268	694
628	2.797960	692
629	2.798651	691
630	2.799341	690
631	2.800029	688
632	2.800717	688
633	2.801404	687
634	2.802089	685
635	2.802774	685
636	2.803457	683
637	2.804139	682
638	2.804821	682
639	2.805501	680
640	2.806180	679
641	2.806858	678
642	2.807535	677
643	2.808211	676
644	2.808886	675
645	2.809560	674
646	2.810233	673
647	2.810904	671
648	2.811575	671
649	2.812245	670
650	2.812913	668

N.	0. 10' 50" Logarith.	Dif.
650	2.812913	
651	2.813581	668
652	2.814248	667
653	2.814913	665
654	2.815578	665
655	2.816241	663
656	2.816904	663
657	2.817565	661
658	2.818226	661
659	2.818885	659
660	2.819544	659
661	2.820201	657
662	2.820858	657
663	2.821514	656
664	2.822168	654
665	2.822822	654
666	2.823474	652
667	2.824126	652
668	2.824776	650
669	2.825426	650
670	2.826075	649
671	2.826723	648
672	2.827369	646
673	2.828015	646
674	2.828660	645
675	2.829304	644
676	2.829947	643
677	2.830589	642
678	2.831230	641
679	2.831870	640
680	2.832509	639
681	2.833147	638
682	2.833784	637
683	2.834421	637
684	2.835056	635
685	2.835691	635
686	2.836324	633
687	2.836957	633
688	2.837588	631
689	2.838219	631
690	2.838849	630
691	2.839478	629
692	2.840106	628
693	2.840733	627
694	2.841359	626
695	2.841985	626
696	2.842609	624
697	2.843233	624
698	2.843855	622
699	2.844477	622
700	2.845098	621

N.	0. 11' 40" Logarith.	Dif.
700	2.845098	
701	2.845718	620
702	2.846337	619
703	2.846955	618
704	2.847573	618
705	2.848189	616
706	2.848805	616
707	2.849419	614
708	2.850033	614
709	2.850646	613
710	2.851258	612
711	2.851870	612
712	2.852480	610
713	2.853090	610
714	2.853698	608
715	2.854306	608
716	2.854913	607
717	2.855519	606
718	2.856124	605
719	2.856729	605
720	2.857332	603
721	2.857935	603
722	2.858537	602
723	2.859138	601
724	2.859739	601
725	2.860338	599
726	2.860937	599
727	2.861534	597
728	2.862131	597
729	2.862728	597
730	2.863323	595
731	2.863917	594
732	2.864511	594
733	2.865104	593
734	2.865696	592
735	2.866287	591
736	2.866878	591
737	2.867467	589
738	2.868056	589
739	2.868644	588
740	2.869232	588
741	2.869818	586
742	2.870404	586
743	2.870989	585
744	2.871573	584
745	2.872156	583
746	2.872739	583
747	2.873321	582
748	2.873902	581
749	2.874482	580
750	2.875061	579

N.	0. 12' 30" Logarith.	Dif.
750	2.875061	579
751	2.875640	578
752	2.876218	577
753	2.876795	576
754	2.877371	576
755	2.877947	575
756	2.878522	574
757	2.879096	573
758	2.879669	573
759	2.880242	572
760	2.880814	571
761	2.881385	570
762	2.881955	570
763	2.882525	568
764	2.883093	568
765	2.883661	568
766	2.884229	566
767	2.884795	566
768	2.885361	565
769	2.885926	565
770	2.886491	563
771	2.887054	563
772	2.887617	562
773	2.888179	562
774	2.888741	561
775	2.889302	560
776	2.889862	559
777	2.890421	559
778	2.890980	557
779	2.891537	558
780	2.892095	556
781	2.892651	556
782	2.893207	555
783	2.893762	554
784	2.894316	554
785	2.894870	553
786	2.895423	552
787	2.895975	551
788	2.896526	551
789	2.897077	550
790	2.897627	549
791	2.898176	549
792	2.898725	548
793	2.899273	548
794	2.899821	546
795	2.900367	546
796	2.900913	545
797	2.901458	545
798	2.902003	544
799	2.902547	543
800	2.903090	

N.	0. 13' 20" Logarith.	Dif.
800	2.903090	543
801	2.903633	541
802	2.904174	542
803	2.904716	540
804	2.905256	540
805	2.905796	539
806	2.906335	539
807	2.906874	537
808	2.907411	538
809	2.907949	536
810	2.908485	536
811	2.909021	535
812	2.909556	535
813	2.910091	533
814	2.910624	534
815	2.911158	532
816	2.911690	532
817	2.912222	531
818	2.912753	531
819	2.913284	530
820	2.913814	529
821	2.914343	529
822	2.914872	528
823	2.915400	527
824	2.915927	527
825	2.916454	526
826	2.916980	526
827	2.917506	524
828	2.918030	525
829	2.918555	523
830	2.919078	523
831	2.919601	522
832	2.920123	522
833	2.920645	521
834	2.921166	520
835	2.921686	520
836	2.922206	519
837	2.922725	519
838	2.923244	518
839	2.923762	517
840	2.924279	517
841	2.924796	516
842	2.925312	516
843	2.925828	514
844	2.926342	515
845	2.926857	513
846	2.927370	513
847	2.927883	513
848	2.928396	512
849	2.928908	511
850	2.929419	

N.	0. 14' 10" Logarith.	Dif.
850	2.929419	511
851	2.929930	510
852	2.930440	509
853	2.930949	509
854	2.931458	508
855	2.931966	508
856	2.932474	507
857	2.932981	506
858	2.933487	506
859	2.933993	505
860	2.934498	505
861	2.935003	504
862	2.935507	504
863	2.936011	503
864	2.936514	502
865	2.937016	502
866	2.937518	501
867	2.938019	501
868	2.938520	500
869	2.939020	499
870	2.939519	499
871	2.940018	498
872	2.940516	498
873	2.941014	497
874	2.941511	497
875	2.942008	496
876	2.942504	496
877	2.943000	495
878	2.943495	494
879	2.943989	494
880	2.944483	493
881	2.944976	493
882	2.945469	492
883	2.945961	491
884	2.946452	491
885	2.946943	491
886	2.947434	490
887	2.947924	489
888	2.948413	489
889	2.948902	488
890	2.949390	488
891	2.949878	487
892	2.950365	486
893	2.950851	487
894	2.951338	485
895	2.951823	485
896	2.952308	484
897	2.952792	484
898	2.953276	484
899	2.953760	483
900	2.954243	

N.	0. 15′ 0″ Logarith.	Dif.
900	2.954243	482
901	2.954725	482
902	2.955207	481
903	2.955688	480
904	2.956168	481
905	2.956649	479
906	2.957128	479
907	2.957607	479
908	2.958086	478
909	2.958564	477
910	2.959041	477
911	2.959518	477
912	2.959995	476
913	2.960471	475
914	2.960946	475
915	2.961421	474
916	2.961895	474
917	2.962369	474
918	2.962843	473
919	2.963316	472
920	2.963788	472
921	2.964260	471
922	2.964731	471
923	2.965202	470
924	2.965672	470
925	2.966142	469
926	2.966611	469
927	2.967080	468
928	2.967548	468
929	2.968016	467
930	2.968483	467
931	2.968950	466
932	2.969416	466
933	2.969882	465
934	2.970347	465
935	2.970812	464
936	2.971276	464
937	2.971740	463
938	2.972203	463
939	2.972666	462
940	2.973128	462
941	2.973590	461
942	2.974051	461
993	2.974512	460
944	2.974972	460
945	2.975432	459
946	2.975891	459
947	2.976350	458
948	2.976808	458
949	2.977266	458
950	2.977724	

N.	0. 15′ 50″ Logarith.	Dif.
950	2.977724	457
951	2.978181	456
952	2.978637	456
953	2.979093	455
954	2.979548	455
955	2.980003	455
956	2.980458	454
957	2.980912	454
958	2.981366	453
959	2.981819	452
960	2.982271	452
961	2.982723	452
962	2.983175	451
963	2.983626	451
964	2.984077	450
965	2.984527	450
966	2.984977	449
967	2.985426	449
968	2.985875	449
969	2.986324	448
970	2.986772	447
971	2.987219	447
972	2.987666	447
973	2.988113	446
974	2.988559	446
975	2.989005	445
976	2.989450	445
977	2.989895	444
978	2.990339	444
979	2.990783	443
980	2.991226	443
981	2.991669	442
982	2.992111	443
983	2.992554	441
984	2.992995	441
985	2.993436	441
986	2.993877	440
987	2.994317	440
988	2.994757	439
989	2.995196	439
990	2.995635	439
991	2.996074	438
992	2.996512	437
993	2.996949	437
994	2.997386	437
995	2.997823	436
996	2.998259	436
997	2.998695	436
998	2.999131	434
999	2.999565	435
1000	3.000000	

N.	0. 16′ 40″ Logarith.	Dif.
1000	3.000000	434
1001	3.000434	434
1002	3.000868	433
1003	3.001301	433
1004	3.001734	432
1005	3.002166	432
1006	3.002598	431
1007	3.003029	432
1008	3.003461	430
1009	3.003891	430
1010	3.004321	430
1011	3.004751	430
1012	3.005181	428
1013	3.005609	429
1014	3.006038	428
1015	3.006466	428
1016	3.006894	427
1017	3.007321	427
1018	3.007748	426
1019	3.008174	426
1020	3.008600	426
1021	3.009026	425
1022	3.009451	425
1023	3.009876	424
1024	3.010300	424
1025	3.010724	423
1026	3.011147	423
1027	3.011570	423
1028	3.011993	422
1029	3.012415	422
1030	3.012837	422
1031	3.013259	421
1032	3.013680	420
1033	3.014100	421
1034	3.014521	419
1035	3.014940	420
1036	3.015360	419
1037	3.015779	418
1038	3.016197	419
1039	3.016616	417
1040	3.017033	418
1041	3.017451	417
1042	3.017868	416
1043	3.018284	416
1044	3.018700	416
1045	3.019116	416
1046	3.019532	415
1047	3.019947	414
1048	3.020361	414
1049	3.020775	414
1050	3.021189	

Nomb.	0. 17' 30" Logarith.	Dif.
1050	3.021189	414
1051	3.021603	413
1052	3.022016	412
1053	3.022428	413
1054	3.022841	411
1055	3.023252	412
1056	3.023664	411
1057	3.024075	411
1058	3.024486	410
1059	3.024896	410
1060	3.025306	409
1061	3.025715	410
1062	3.026125	408
1063	3.026533	409
1064	3.026942	408
1065	3.027350	407
1066	3.027757	407
1067	3.028164	407
1068	3.028571	407
1069	3.028978	406
1070	3.029384	405
1071	3.029789	406
1072	3.030195	405
1073	3.030600	404
1074	3.031004	404
1075	3.031408	404
1076	3.031812	404
1077	3.032216	403
1078	3.032619	402
1079	3.033021	403
1080	3.033424	402
1081	3.033826	401
1082	3.034227	401
1083	3.034628	401
1084	3.035029	401
1085	3.035430	400
1086	3.035830	400
1087	3.036230	399
1088	3.036629	399
1089	3.037028	398
1090	3.037426	399
1091	3.037825	398
1092	3.038223	397
1093	3.038620	397
1094	3.039017	397
1095	3.039414	397
1096	3.039811	396
1097	3.040207	395
1098	3.040602	396
1099	3.040998	395
1100	3.041393	

Nomb.	0. 18' 20" Logarith.	Dif.
1100	3.041393	394
1101	3.041787	395
1102	3.042182	394
1103	3.042576	393
1104	3.042969	393
1105	3.043362	393
1106	3.043755	393
1107	3.044148	392
1108	3.044540	392
1109	3.044932	391
1110	3.045323	391
1111	3.045714	391
1112	3.046105	390
1113	3.046495	390
1114	3.046885	390
1115	3.047275	389
1116	3.047664	389
1117	3.048053	389
1118	3.048442	388
1119	3.048830	388
1120	3.049218	388
1121	3.049606	387
1122	3.049993	387
1123	3.050380	386
1124	3.050766	387
1125	3.051153	385
1126	3.051538	386
1127	3.051924	385
1128	3.052309	385
1129	3.052694	384
1130	3.053078	385
1131	3.053463	383
1132	3.053846	384
1133	3.054230	383
1134	3.054613	383
1135	3.054996	382
1136	3.055378	382
1137	3.055760	382
1138	3.056142	382
1139	3.056524	381
1140	3.056905	381
1141	3.057286	380
1142	3.057666	380
1143	3.058046	380
1144	3.058426	379
1145	3.058805	380
1146	3.059185	378
1147	3.059563	379
1148	3.059942	378
1149	3.060320	378
1150	3.060698	

Nomb.	0. 19' 10" Logarith.	Dif.
1150	3.060698	377
1151	3.061075	377
1152	3.061452	377
1153	3.061829	377
1154	3.062206	376
1155	3.062582	376
1156	3.062958	375
1157	3.063333	376
1158	3.063709	374
1159	3.064083	375
1160	3.064458	374
1161	3.064832	374
1162	3.065206	374
1163	3.065580	373
1164	3.065953	373
1165	3.066326	373
1166	3.066699	372
1167	3.067071	372
1168	3.067443	372
1169	3.067815	371
1170	3.068186	371
1171	3.068557	371
1172	3.068928	370
1173	3.069298	370
1174	3.069668	370
1175	3.070038	369
1176	3.070407	369
1177	3.070776	369
1178	3.071145	369
1179	3.071514	368
1180	3.071882	368
1181	3.072250	367
1182	3.072617	368
1183	3.072985	367
1184	3.073352	366
1185	3.073718	367
1186	3.074085	366
1187	3.074451	365
1188	3.074816	366
1189	3.075182	365
1190	3.075547	365
1191	3.075912	364
1192	3.076276	364
1193	3.076640	364
1194	3.077004	364
1195	3.077368	363
1196	3.077731	363
1197	3.078094	363
1198	3.078457	362
1199	3.078819	362
1200	3.079181	

Nomb.	0. 20' 0" Logarith.	Dif.
1200	3.079181	362
1201	3.079543	361
1202	3.079904	362
1203	3.080266	360
1204	3.080626	361
1205	3.080987	360
1206	3.081347	360
1207	3.081707	360
1208	3.082067	359
1209	3.082426	359
1210	3.082785	359
1211	3.083144	359
1212	3.083503	358
1213	3.083861	358
1214	3.084219	357
1215	3.084576	358
1216	3.084934	357
1217	3.085291	356
1218	3.085647	357
1219	3.086004	356
1220	3.086360	356
1221	3.086716	355
1222	3.087071	355
1223	3.087426	355
1224	3.087781	355
1225	3.088136	354
1226	3.088490	355
1227	3.088845	353
1228	3.089198	354
1229	3.089552	353
1230	3.089905	353
1231	3.090258	353
1232	3.090611	352
1233	3.090963	352
1234	3.091315	352
1235	3.091667	351
1236	3.092018	352
1237	3.092370	351
1238	3.092721	350
1239	3.093071	351
1240	3.093422	350
1241	3.093772	350
1242	3.094122	349
1243	3.094471	349
1244	3.094820	349
1245	3.095169	349
1246	3.095518	348
1247	3.095866	349
1248	3.096215	347
1249	3.096562	348
1250	3.096910	

Nomb.	0. 20' 50" Logarith.	Dif.
1250	3.096910	347
1251	3.097257	347
1252	3.097604	347
1253	3.097951	347
1254	3.098298	346
1255	3.098644	346
1256	3.098990	345
1257	3.099335	346
1258	3.099681	345
1259	3.100026	345
1260	3.100371	344
1261	3.100715	344
1262	3.101059	344
1263	3.101403	344
1264	3.101747	344
1265	3.102091	343
1266	3.102434	343
1267	3.102777	342
1268	3.103119	343
1269	3.103462	342
1270	3.103804	342
1271	3.104146	341
1272	3.104487	341
1273	3.104828	341
1274	3.105169	341
1275	3.105510	341
1276	3.105851	340
1277	3.106191	340
1278	3.106531	340
1279	3.106871	339
1280	3.107210	339
1281	3.107549	339
1282	3.107888	339
1283	3.108227	338
1284	3.108565	338
1285	3.108903	338
1286	3.109241	338
1287	3.109579	337
1288	3.109916	337
1289	3.110253	337
1290	3.110590	336
1291	3.110926	337
1292	3.111263	336
1293	3.111599	335
1294	3.111934	336
1295	3.112270	335
1296	3.112605	335
1297	3.112940	335
1298	3.113275	334
1299	3.113609	334
1300	3.113943	

Nomb.	0. 21' 40" Logarith.	Dif.
1300	3.113943	334
1301	3.114277	334
1302	3.114611	333
1303	3.114944	334
1304	3.115278	333
1305	3.115611	332
1306	3.115943	333
1307	3.116276	332
1308	3.116608	332
1309	3.116940	331
1310	3.117271	332
1311	3.117603	331
1312	3.117934	331
1313	3.118265	330
1314	3.118595	331
1315	3.118926	330
1316	3.119256	330
1317	3.119586	329
1318	3.119915	330
1319	3.120245	329
1320	3.120574	329
1321	3.120903	328
1322	3.121231	329
1323	3.121560	328
1324	3.121888	328
1325	3.122216	328
1326	3.122544	327
1327	3.122871	327
1328	3.123198	327
1329	3.123525	327
1330	3.123852	326
1331	3.124178	326
1332	3.124504	326
1333	3.124830	326
1334	3.125156	325
1335	3.125481	325
1336	3.125806	325
1337	3.126131	325
1338	3.126456	325
1339	3.126781	324
1340	3.127105	324
1341	3.127429	324
1342	3.127753	323
1343	3.128076	323
1344	3.128399	323
1345	3.128722	323
1346	3.129045	323
1347	3.129368	322
1348	3.129690	322
1349	3.130012	322
1350	3.130334	

Nomb.	0. 22' 30" Logarith.	Dif.
1350	3.130334	321
1351	3.130655	322
1352	3.130977	321
1353	3.131298	321
1354	3.131619	320
1355	3.131939	321
1356	3.132260	320
1357	3.132580	320
1358	3.132900	319
1359	3.133219	320
1360	3.133539	319
1361	3.133858	319
1362	3.134177	319
1363	3.134496	318
1364	3.134814	319
1365	3.135133	318
1366	3.135451	318
1367	3.135769	317
1368	3.136086	317
1369	3.136403	318
1370	3.136721	316
1371	3.137037	317
1372	3.137354	317
1373	3.137671	316
1374	3.137987	316
1375	3.138303	315
1376	3.138618	315
1377	3.138933	316
1378	3.139249	315
1379	3.139564	315
1380	3.139879	315
1381	3.140194	314
1382	3.140508	314
1383	3.140822	314
1384	3.141136	314
1385	3.141450	313
1386	3.141763	313
1387	3.142076	313
1388	3.142389	313
1389	3.142702	313
1390	3.143015	312
1391	3.143327	312
1392	3.143639	312
1393	3.143951	312
1394	3.144263	311
1395	3.144574	311
1396	3.144885	311
1397	3.145196	311
1398	3.145507	311
1399	3.145818	310
1400	3.146128	

Nomb.	0. 23' 20" Logarith.	Dif.
1400	3.146128	310
1401	3.146438	310
1402	3.146748	310
1403	3.147058	309
1404	3.147367	309
1405	3.147676	309
1406	3.147985	309
1407	3.148294	309
1408	3.148603	308
1409	3.148911	308
1410	3.149219	308
1411	3.149527	308
1412	3.149835	307
1413	3.150142	307
1414	3.150449	307
1415	3.150756	307
1416	3.151063	307
1417	3.151370	306
1418	3.151676	306
1419	3.151982	306
1420	3.152288	306
1421	3.152594	306
1422	3.152900	305
1423	3.153205	305
1424	3.153510	305
1425	3.153815	305
1426	3.154120	304
1427	3.154424	304
1428	3.154728	304
1429	3.155032	304
1430	3.155336	304
1431	3.155640	303
1432	3.155943	303
1433	3.156246	303
1434	3.156549	303
1435	3.156852	302
1436	3.157154	303
1437	3.157457	302
1438	3.157759	302
1439	3.158061	301
1440	3.158362	302
1441	3.158664	301
1442	3.158965	301
1443	3.159266	301
1444	3.159567	301
1445	3.159868	300
1446	3.160168	301
1447	3.160469	300
1448	3.160769	299
1449	3.161068	300
1450	3.161368	

Nomb.	0. 24' 10" Logarith.	Dif.
1450	3.161368	299
1451	3.161667	300
1452	3.161967	299
1453	3.162266	298
1454	3.162564	299
1455	3.162863	298
1456	3.163161	299
1457	3.163460	298
1458	3.163758	297
1459	3.164055	298
1460	3.164353	297
1461	3.164650	297
1462	3.164947	297
1463	3.165244	297
1464	3.165541	297
1465	3.165838	296
1466	3.166134	296
1467	3.166430	296
1468	3.166726	296
1469	3.167022	295
1470	3.167317	296
1471	3.167613	295
1472	3.167908	295
1473	3.168203	294
1474	3.168497	295
1475	3.168792	294
1476	3.169086	294
1477	3.169380	294
1478	3.169674	294
1479	3.169968	294
1480	3.170262	293
1481	3.170555	293
1482	3.170848	293
1483	3.171141	293
1484	3.171434	292
1485	3.171726	293
1486	3.172019	292
1487	3.172311	292
1488	3.172603	292
1489	3.172895	291
1490	3.173186	292
1491	3.173478	291
1492	3.173769	291
1493	3.174060	291
1494	3.174351	290
1495	3.174641	291
1496	3.174932	290
1497	3.175222	290
1498	3.175512	290
1499	3.175802	289
1500	3.176091	

Nomb.	0. 25' 0" Logarith.	Dif.
1500	3.176091	
		290
1501	3.176381	
		289
1502	3.176670	
		289
1503	3.176959	
		289
1504	3.177248	
		288
1505	3.177536	
		289
1506	3.177825	
		288
1507	3.178113	
		288
1508	3.178401	
		288
1509	3.178689	
		288
1510	3.178977	
		287
1511	3.179264	
		288
1512	3.179552	
		287
1513	3.179839	
		287
1514	3.180126	
		287
1515	3.180413	
		286
1516	3.180699	
		287
1517	3.180986	
		286
1518	3.181272	
		286
1519	3.181558	
		286
1520	3.181844	
		285
1521	3.182129	
		286
1522	3.182415	
		285
1523	3.182700	
		285
1524	3.182985	
		285
1525	3.183270	
		285
1526	3.183555	
		284
1527	3.183839	
		284
1528	3.184123	
		284
1529	3.184407	
		284
1530	3.184691	
		284
1531	3.184975	
		284
1532	3.185259	
		283
1533	3.185542	
		283
1534	3.185825	
		283
1535	3.186108	
		283
1536	3.186391	
		283
1537	3.186674	
		282
1538	3.186956	
		283
1539	3.187239	
		282
1540	3.187521	
		282
1541	3.187803	
		281
1542	3.188084	
		282
1543	3.188366	
		281
1544	3.188647	
		281
1545	3.188928	
		281
1546	3.189209	
		281
1547	3.189490	
		281
1548	3.189771	
		280
1549	3.190051	
		281
1550	3.190332	

Nomb.	0. 25' 50" Logarith.	Dif.
1550	3.190332	
		280
1551	3.190612	
		280
1552	3.190892	
		279
1553	3.191171	
		280
1554	3.191451	
		279
1555	3.191730	
		280
1556	3.192010	
		279
1557	3.192289	
		278
1558	3.192567	
		279
1559	3.192846	
		279
1560	3.193125	
		278
1561	3.193403	
		278
1562	3.193681	
		278
1563	3.193959	
		278
1564	3.194237	
		277
1565	3.194514	
		278
1566	3.194792	
		277
1567	3.195069	
		277
1568	3.195346	
		277
1569	3.195623	
		277
1570	3.195900	
		276
1571	3.196176	
		277
1572	3.196453	
		276
1573	3.196729	
		276
1574	3.197005	
		276
1575	3.197281	
		275
1576	3.197556	
		276
1577	3.197832	
		275
1578	3.198107	
		275
1579	3.198382	
		275
1580	3.198657	
		275
1581	3.198932	
		274
1582	3.199206	
		275
1583	3.199481	
		274
1584	3.199755	
		274
1585	3.200029	
		274
1586	3.200303	
		274
1587	3.200577	
		273
1588	3.200850	
		274
1589	3.201124	
		273
1590	3.201397	
		273
1591	3.201670	
		273
1592	3.201943	
		273
1593	3.202216	
		272
1594	3.202488	
		273
1595	3.202761	
		272
1596	3.203033	
		272
1597	3.203305	
		272
1598	3.203577	
		271
1599	3.203848	
		272
1600	3.204120	

Nomb.	0. 26' 40" Logarith.	Dif.
1600	3.204120	
		271
1601	3.204391	
		272
1602	3.204663	
		271
1603	3.204934	
		270
1604	3.205204	
		271
1605	3.205475	
		271
1606	3.205746	
		270
1607	3.206016	
		270
1608	3.206286	
		270
1609	3.206556	
		270
1610	3.206826	
		270
1611	3.207096	
		269
1612	3.207365	
		269
1613	3.207634	
		270
1614	3.207904	
		269
1615	3.208173	
		268
1616	3.208441	
		269
1617	3.208710	
		269
1618	3.208979	
		268
1619	3.209247	
		268
1620	3.209515	
		268
1621	3.209783	
		268
1622	3.210051	
		268
1623	3.210319	
		267
1624	3.210586	
		267
1625	3.210853	
		268
1626	3.211121	
		267
1627	3.211388	
		266
1628	3.211654	
		267
1629	3.211921	
		267
1630	3.212188	
		266
1631	3.212454	
		266
1632	3.212720	
		266
1633	3.212986	
		266
1634	3.213252	
		266
1635	3.213518	
		265
1636	3.213783	
		266
1637	3.214049	
		265
1638	3.214314	
		265
1639	3.214579	
		265
1640	3.214844	
		265
1641	3.215109	
		264
1642	3.215373	
		265
1643	3.215638	
		264
1644	3.215902	
		264
1645	3.216166	
		264
1646	3.216430	
		264
1647	3.216694	
		263
1648	3.216957	
		264
1649	3.217221	
		263
1650	3.217484	

Nomb.	0. 27' 30" Logarith.	Dif.
1650	3.217484	263
1651	3.217747	263
1652	3.218010	263
1653	3.218273	263
1654	3.218536	262
1655	3.218798	262
1656	3.219060	263
1657	3.219323	262
1658	3.219585	261
1659	3.219846	262
1660	3.220108	262
1661	3.220370	261
1662	3.220631	261
1663	3.220892	261
1664	3.221153	261
1665	3.221414	261
1666	3.221675	261
1667	3.221936	260
1668	3.222196	260
1669	3.222456	260
1670	3.222716	260
1671	3.222976	260
1672	3.223236	260
1673	3.223496	259
1674	3.223755	260
1675	3.224015	259
1676	3.224274	259
1677	3.224533	259
1678	3.224792	259
1679	3.225051	258
1680	3.225309	259
1681	3.225568	258
1682	3.225826	258
1683	3.226084	258
1684	3.226342	258
1685	3.226600	258
1686	3.226858	257
1687	3.227115	257
1688	3.227372	258
1689	3.227630	257
1690	3.227887	257
1691	3.228144	256
1692	3.228400	257
1693	3.228657	256
1694	3.228913	257
1695	3.229170	256
1696	3.229426	256
1697	3.229682	256
1698	3.229938	255
1699	3.230193	256
1700	3.230449	

Nomb.	0. 28' 20" Logarith.	Dif
1700	3.230449	255
1701	3.230704	256
1702	3.230960	255
1703	3.231215	255
1704	3.231470	254
1705	3.231724	255
1706	3.231979	255
1707	3.232234	254
1708	3.232488	254
1709	3.232742	254
1710	3.232996	254
1711	3.233250	254
1712	3.233504	253
1713	3.233757	254
1714	3.234011	253
1715	3.234264	253
1716	3.234517	253
1717	3.234770	253
1718	3.235023	253
1719	3.235276	252
1720	3.235528	253
1721	3.235781	252
1722	3.236033	252
1723	3.236285	252
1724	3.236537	252
1725	3.236789	252
1726	3.237041	251
1727	3.237292	252
1728	3.237544	251
1729	3.237795	251
1730	3.238046	251
1731	3.238297	251
1732	3.238548	251
1733	3.238799	250
1734	3.239049	250
1735	3.239299	251
1736	3.239550	250
1737	3.239800	250
1738	3.240050	250
1739	3.240300	249
1740	3.240549	250
1741	3.240799	249
1742	3.241048	249
1743	3.241297	249
1744	3.241546	249
1745	3.241795	249
1746	3.242044	249
1747	3.242293	248
1748	3.242541	249
1749	3.242790	248
1750	3.243038	

Nomb.	0. 29' 10" Logarith.	Dif.
1750	3.243038	248
1751	3.243286	248
1752	3.243534	248
1753	3.243782	248
1754	3.244030	247
1755	3.244277	247
1756	3.244524	248
1757	3.244772	247
1758	3.245019	247
1759	3.245266	247
1760	3.245513	246
1761	3.245759	247
1762	3.246006	246
1763	3.246252	247
1764	3.246499	246
1765	3.246745	246
1766	3.246991	246
1767	3.247237	245
1768	3.247482	246
1769	3.247728	245
1770	3.247973	246
1771	3.248219	245
1772	3.248464	245
1773	3.248709	245
1774	3.248954	244
1775	3.249198	245
1776	3.249443	244
1777	3.249687	245
1778	3.249932	244
1779	3.250176	244
1780	3.250420	244
1781	3.250664	244
1782	3.250908	243
1783	3.251151	244
1784	3.251395	243
1785	3.251638	243
1786	3.251881	244
1787	3.252125	243
1788	3.252368	242
1789	3.252610	243
1790	3.252853	243
1791	3.253096	242
1792	3.253338	242
1793	3.253580	242
1794	3.253822	242
1795	3.254064	242
1796	3.254306	242
1797	3.254548	242
1798	3.254790	241
1799	3.255031	242
1800	3.255273	

Nomb.	0. 30' 0" Logarith.	Dif.
1800	3.255273	241
1801	3.255514	241
1802	3.255755	241
1803	3.255996	240
1804	3.256236	241
1805	3.256477	241
1806	3.256718	240
1807	3.256958	240
1808	3.257198	241
1809	3.257439	240
1810	3.257679	239
1811	3.257918	240
1812	3.258158	240
1813	3.258398	239
1814	3.258637	240
1815	3.258877	239
1816	3.259116	239
1817	3.259355	239
1818	3.259594	239
1819	3.259833	238
1820	3.260071	239
1821	3.260310	238
1822	3.260548	239
1823	3.260787	238
1824	3.261025	238
1825	3.261263	238
1826	3.261501	238
1827	3.261739	237
1828	3.261976	238
1829	3.262214	237
1830	3.262451	237
1831	3.262688	237
1832	3.262925	237
1833	3.263162	237
1834	3.263399	237
1835	3.263636	237
1836	3.263873	236
1837	3.264109	237
1838	3.264346	236
1839	3.264582	236
1840	3.264818	236
1841	3.265054	236
1842	3.265290	235
1843	3.265525	236
1844	3.265761	235
1845	3.265996	236
1846	3.266232	235
1847	3.266467	235
1848	3.266702	235
1849	3.266937	235
1850	3.267172	

Nomb.	0. 30' 59" Logarith.	Dif.
1850	3.267172	234
1851	3.267406	235
1852	3.267641	234
1853	3.267875	235
1854	3.268110	234
1855	3.268344	234
1856	3.268578	234
1857	3.268812	234
1858	3.269046	233
1859	3.269279	234
1860	3.269513	233
1861	3.269746	234
1862	3.269980	233
1863	3.270213	233
1864	3.270446	233
1865	3.270679	233
1866	3.270912	232
1867	3.271144	233
1868	3.271377	232
1869	3.271609	233
1870	3.271842	232
1871	3.272074	232
1872	3.272306	232
1873	3.272538	232
1874	3.272770	231
1875	3.273001	232
1876	3.273233	231
1877	3.273464	232
1878	3.273696	231
1879	3.273927	231
1880	3.274158	231
1881	3.274389	231
1882	3.274620	230
1883	3.274850	231
1884	3.275081	230
1885	3.275311	231
1886	3.275542	230
1887	3.275772	230
1888	3.276002	230
1889	3.276232	230
1890	3.276462	230
1891	3.276692	229
1892	3.276921	230
1893	3.277151	229
1894	3.277380	229
1895	3.277609	229
1896	3.277838	229
1897	3.278067	229
1898	3.278296	229
1899	3.278525	229
1900	3.278754	

Nomb.	0. 31' 40" Logarith.	Dif.
1900	3.278754	228
1901	3.278982	229
1902	3.279211	228
1903	3.279439	228
1904	3.279667	228
1905	3.279895	228
1906	3.280123	228
1907	3.280351	227
1908	3.280578	228
1909	3.280806	227
1910	3.281033	228
1911	3.281261	227
1912	3.281488	227
1913	3.281715	227
1914	3.281942	227
1915	3.282169	227
1916	3.282396	226
1917	3.282622	227
1918	3.282849	226
1919	3.283075	226
1920	3.283301	226
1921	3.283527	226
1922	3.283753	226
1923	3.283979	226
1924	3.284205	226
1925	3.284431	225
1926	3.284656	226
1927	3.284882	225
1928	3.285107	225
1929	3.285332	225
1930	3.285557	225
1931	3.285782	225
1932	3.286007	225
1933	3.286232	224
1934	3.286456	225
1935	3.286681	224
1936	3.286905	225
1937	3.287130	224
1938	3.287354	224
1939	3.287578	224
1940	3.287802	224
1941	3.288026	223
1942	3.288249	224
1943	3.288473	223
1944	3.288696	224
1945	3.288920	223
1946	3.289143	223
1947	3.289366	223
1948	3.289589	223
1949	3.289812	223
1950	3.290035	

Nomb.	0. 32′ 30″ Logarith.	Dif.
1950	3.290035	
1951	3.290257	222
1952	3.290480	223
1953	3.290702	222
1954	3.290925	223
1955	3.291147	222
1956	3.291369	222
1957	3.291591	222
1958	3.291813	222
1959	3.292034	221
1960	3.292256	222
1961	3.292478	222
1962	3.292699	221
1963	3.292920	221
1964	3.293141	221
1965	3.293363	222
1966	3.293584	221
1967	3.293804	220
1968	3.294025	221
1969	3.294246	221
1970	3.294466	220
1971	3.294687	221
1972	3.294907	220
1973	3.295127	220
1974	3.295347	220
1975	3.295567	220
1976	3.295787	220
1977	3.296007	220
1978	3.296226	219
1979	3.296446	220
1980	3.296665	219
1981	3.296884	219
1982	3.297104	220
1983	3.297323	219
1984	3.297542	219
1985	3.297761	219
1986	3.297979	218
1987	3.298198	219
1988	3.298416	218
1989	3.298635	219
1990	3.298853	218
1991	3.299071	218
1992	3.299289	218
1993	3.299507	218
1994	3.299725	218
1995	3.299943	218
1996	3.300161	218
1997	3.300378	217
1998	3.300595	217
1999	3.300813	218
2000	3.301030	217

Nomb.	0. 33′ 20″ Logarith.	Dif.
2000	3.301030	
2001	3.301247	217
2002	3.301464	217
2003	3.301681	217
2004	3.301898	217
2005	3.302114	216
2006	3.302331	217
2007	3.302547	216
2008	3.302764	217
2009	3.302980	216
2010	3.303196	216
2011	3.303412	216
2012	3.303628	216
2013	3.303844	216
2014	3.304059	215
2015	3.304275	216
2016	3.304491	216
2017	3.304706	215
2018	3.304921	215
2019	3.305136	215
2020	3.305351	215
2021	3.305566	215
2022	3.305781	215
2023	3.305996	215
2024	3.306211	215
2025	3.306425	214
2026	3.306639	214
2027	3.306854	215
2028	3.307068	214
2029	3.307282	214
2030	3.307496	214
2031	3.307710	214
2032	3.307924	214
2033	3.308137	213
2034	3.308351	214
2035	3.308564	213
2036	3.308778	214
2037	3.308991	213
2038	3.309204	213
2039	3.309417	213
2040	3.309630	213
2041	3.309843	213
2042	3.310056	213
2043	3.310268	212
2044	3.310481	213
2045	3.310693	212
2046	3.310906	213
2047	3.311118	212
2048	3.311330	212
2049	3.311542	212
2050	3.311754	212

Nomb.	0. 34′ 10″ Logarith.	Dif
2050	3.311754	
2051	3.311966	212
2052	3.312177	211
2053	3.312389	212
2054	3.312600	211
2055	3.312812	212
2056	3.313023	211
2057	3.313234	211
2058	3.313445	211
2059	3.313656	211
2060	3.313867	211
2061	3.314078	211
2062	3.314289	211
2063	3.314499	210
2064	3.314710	211
2065	3.314920	210
2066	3.315130	210
2067	3.315340	210
2068	3.315551	211
2069	3.315760	209
2070	3.315970	210
2071	3.316180	210
2072	3.316390	210
2073	3.316599	209
2074	3.316809	210
2075	3.317018	209
2076	3.317227	209
2077	3.317436	209
2078	3.317646	210
2079	3.317854	208
2080	3.318063	209
2081	3.318272	209
2082	3.318481	209
2083	3.318689	208
2084	3.318898	209
2085	3.319106	208
2086	3.319314	208
2087	3.319522	208
2088	3.319730	208
2089	3.319938	208
2090	3.320146	208
2091	3.320354	208
2092	3.320562	208
2093	3.320769	207
2094	3.320977	208
2095	3.321184	207
2096	3.321391	207
2097	3.321598	207
2098	3.321805	207
2099	3.322012	207
2100	3.322219	207

Nomb.	0. 35' 0" Logarith.	Dif.
2100	3.322219	207
2101	3.322426	207
2102	3.322633	206
2103	3.322839	207
2104	3.323046	206
2105	3.323252	206
2106	3.323458	207
2107	3.323665	206
2108	3.323871	206
2109	3.324077	205
2110	3.324282	206
2111	3.324488	206
2112	3.324694	205
2113	3.324899	206
2114	3.325105	205
2115	3.325310	206
2116	3.325516	205
2117	3.325721	205
2118	3.325926	205
2119	3.326131	205
2120	3.326336	205
2121	3.326541	204
2122	3.326745	205
2123	3.326950	205
2124	3.327155	204
2125	3.327359	204
2126	3.327563	204
2127	3.327767	205
2128	3.327972	204
2129	3.328176	204
2130	3.328380	203
2131	3.328583	204
2132	3.328787	204
2133	3.328991	203
2134	3.329194	204
2135	3.329398	203
2136	3.329601	204
2137	3.329805	203
2138	3.330008	203
2139	3.330211	203
2140	3.330414	203
2141	3.330617	202
2142	3.330819	203
2143	3.331022	203
2144	3.331225	202
2145	3.331427	203
2146	3.331630	202
2147	3.331832	202
2148	3.332034	202
2149	3.332236	202
2150	3.332438	

Nomb.	0. 35' 50" Logarith.	Dif.
2150	3.332438	202
2151	3.332640	202
2152	3.332842	202
2153	3.333044	202
2154	3.333246	201
2155	3.333447	202
2156	3.333649	201
2157	3.333850	201
2158	3.334051	202
2159	3.334253	201
2160	3.334454	201
2161	3.334655	201
2162	3.334856	200
2163	3.335056	201
2164	3.335257	201
2165	3.335458	200
2166	3.335658	201
2167	3.335859	200
2168	3.336059	201
2169	3.336260	200
2170	3.336460	200
2171	3.336660	200
2172	3.336860	200
2173	3.337060	200
2174	3.337260	199
2175	3.337459	200
2176	3.337659	199
2177	3.337858	200
2178	3.338058	199
2179	3.338257	199
2180	3.338456	200
2181	3.338656	199
2182	3.338855	199
2183	3.339054	199
2184	3.339253	198
2185	3.339451	199
2186	3.339650	199
2187	3.339849	198
2188	3.340047	199
2189	3.340246	198
2190	3.340444	198
2191	3.340642	199
2192	3.340841	198
2193	3.341039	198
2194	3.341237	198
2195	3.341435	197
2196	3.341632	198
2197	3.341830	198
2198	3.342028	197
2199	3.342225	198
2200	3.342423	

Nomb.	0. 36' 40" Logarith.	Dif.
2200	3.342423	197
2201	3.342620	197
2202	3.342817	197
2203	3.343014	198
2204	3.343212	197
2205	3.343409	197
2206	3.343606	196
2207	3.343802	197
2208	3.343999	197
2209	3.344196	196
2210	3.344392	197
2211	3.344589	196
2212	3.344785	196
2213	3.344981	197
2214	3.345178	196
2215	3.345374	196
2216	3.345570	196
2217	3.345766	196
2218	3.345962	195
2219	3.346157	196
2220	3.346353	196
2221	3.346549	195
2222	3.346744	195
2223	3.346939	196
2224	3.347135	195
2225	3.347330	195
2226	3.347525	195
2227	3.347720	195
2228	3.347915	195
2229	3.348110	195
2230	3.348305	195
2231	3.348500	194
2232	3.348694	195
2233	3.348889	194
2234	3.349083	195
2235	3.349278	194
2236	3.349472	194
2237	3.349666	194
2238	3.349860	194
2239	3.350054	194
2240	3.350248	194
2241	3.350442	194
2242	3.350636	193
2243	3.350829	194
2244	3.351023	193
2245	3.351216	194
2246	3.351410	193
2247	3.351603	193
2248	3.351796	193
2249	3.351989	194
2250	3.352183	

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Nomb.	0. 37' 30" Logarith.	Dif.
2250	3.352183	192
2251	3.352375	193
2252	3.352568	193
2253	3.352761	193
2254	3.352954	193
2255	3.353147	192
2256	3.353339	193
2257	3.353532	192
2258	3.353724	192
2259	3.353916	192
2260	3.354108	193
2261	3.354301	192
2262	3.354493	192
2263	3.354685	191
2264	3.354876	192
2265	3.355068	192
2266	3.355260	192
2267	3.355452	191
2268	3.355643	191
2269	3.355834	192
2270	3.356026	191
2271	3.356217	191
2272	3.356408	191
2273	3.356599	191
2274	3.356790	191
2275	3.356981	191
2276	3.357172	191
2277	3.357363	191
2278	3.357554	190
2279	3.357744	191
2280	3.357935	190
2281	3.358125	191
2282	3.358316	190
2283	3.358506	190
2284	3.358696	190
2285	3.358886	190
2286	3.359076	190
2287	3.359266	190
2288	3.359456	190
2289	3.359646	189
2290	3.359835	190
2291	3.360025	190
2292	3.360215	189
2293	3.360404	189
2294	3.360593	190
2295	3.360783	189
2296	3.360972	189
2297	3.361161	189
2298	3.361350	189
2299	3.361539	189
2300	3.361728	

Nomb.	0. 38' 20" Logarith.	Dif.
2300	3.361728	189
2301	3.361917	188
2302	3.362105	189
2303	3.362294	188
2304	3.362482	189
2305	3.362671	188
2306	3.362859	189
2307	3.363048	188
2308	3.363236	188
2309	3.363424	188
2310	3.363612	188
2311	3.363800	188
2312	3.363988	188
2313	3.364176	187
2314	3.364363	188
2315	3.364551	188
2316	3.364739	187
2317	3.364926	187
2318	3.365113	188
2319	3.365301	187
2320	3.365488	187
2321	3.365675	187
2322	3.365862	187
2323	3.366049	187
2324	3.366236	187
2325	3.366423	187
2326	3.366610	186
2327	3.366796	187
2328	3.366983	186
2329	3.367169	187
2330	3.367356	186
2331	3.367542	187
2332	3.367729	186
2333	3.367915	186
2334	3.368101	186
2335	3.368287	186
2336	3.368473	186
2337	3.368659	185
2338	3.368844	186
2339	3.369030	186
2340	3.369216	185
2341	3.369401	186
2342	3.369587	185
2343	3.369772	186
2344	3.369958	185
2345	3.370143	185
2346	3.370328	185
2347	3.370513	185
2348	3.370698	185
2349	3.370883	185
2350	3.371068	

Nomb.	0. 39' 10" Logarith.	Dif.
2350	3.371068	185
2351	3.371253	184
2352	3.371437	185
2353	3.371622	184
2354	3.371806	185
2355	3.371991	184
2356	3.372175	185
2357	3.372360	184
2358	3.372544	184
2359	3.372728	184
2360	3.372912	184
2361	3.373096	184
2362	3.373280	184
2363	3.373464	183
2364	3.373647	184
2365	3.373831	184
2366	3.374015	183
2367	3.374198	184
2368	3.374382	183
2369	3.374565	183
2370	3.374748	184
2371	3.374932	183
2372	3.375115	183
2373	3.375298	183
2374	3.375481	183
2375	3.375664	182
2376	3.375846	183
2377	3.376029	183
2378	3.376212	182
2379	3.376394	183
2380	3.376577	182
2381	3.376759	183
2382	3.376942	182
2383	3.377124	182
2384	3.377306	182
2385	3.377488	182
2386	3.377670	182
2387	3.377852	182
2388	3.378034	182
2389	3.378216	182
2390	3.378398	182
2391	3.378580	181
2392	3.378761	182
2393	3.378943	181
2394	3.379124	182
2395	3.379306	181
2396	3.379487	181
2397	3.379668	181
2398	3.379849	181
2399	3.380030	181
2400	3.380211	

Nomb.	0. 40' 0" Logarith.	Dif.
2400	3.380211	181
2401	3.380392	181
2402	3.380573	181
2403	3.380754	180
2404	3.380934	181
2405	3.381115	181
2406	3.381296	180
2407	3.381476	180
2408	3.381656	181
2409	3.381837	180
2410	3.382017	180
2411	3.382197	180
2412	3.382377	180
2413	3.382557	180
2414	3.382737	180
2415	3.382917	180
2416	3.383097	180
2417	3.383277	179
2418	3.383456	180
2419	3.383636	179
2420	3.383815	180
2421	3.383995	179
2422	3.384174	179
2423	3.384353	180
2424	3.384533	179
2425	3.384712	179
2426	3.384891	179
2427	3.385070	179
2428	3.385249	179
2429	3.385428	178
2430	3.385606	179
2431	3.385785	179
2432	3.385964	178
2433	3.386142	179
2434	3.386321	178
2435	3.386499	178
2436	3.386677	179
2437	3.386856	178
2438	3.387034	178
2439	3.387212	178
2440	3.387390	178
2441	3.387568	178
2442	3.387746	177
2443	3.387923	178
2444	3.388101	178
2445	3.388279	177
2446	3.388456	178
2447	3.388634	177
2448	3.388811	178
2449	3.388989	177
2450	3.389166	

Nomb.	0. 40' 50" Logarith.	Dif.
2450	3.389166	177
2451	3.389343	177
2452	3.389520	178
2453	3.389698	177
2454	3.389875	176
2455	3.390051	177
2456	3.390228	177
2457	3.390405	177
2458	3.390582	177
2459	3.390759	176
2460	3.390935	177
2461	3.391112	176
2462	3.391288	176
2463	3.391464	177
2464	3.391641	176
2465	3.391817	176
2466	3.391993	176
2467	3.392169	176
2468	3.392345	176
2469	3.392521	176
2470	3.392697	176
2471	3.392873	175
2472	3.393048	176
2473	3.393224	176
2474	3.393400	175
2475	3.393575	176
2476	3.393751	175
2477	3.393926	175
2478	3.394101	176
2479	3.394277	175
2480	3.394452	175
2481	3.394627	175
2482	3.394802	175
2483	3.394977	175
2484	3.395152	174
2485	3.395326	175
2486	3.395501	175
2487	3.395676	174
2488	3.395850	175
2489	3.396025	174
2490	3.396199	175
2491	3.396374	174
2492	3.396548	174
2493	3.396722	174
2494	3.396896	175
2495	3.397071	174
2496	3.397245	174
2497	3.397419	173
2498	3.397592	174
2499	3.397766	174
2500	3.397940	

Nomb.	0. 41' 40" Logarith.	Dif.
2500	3.397940	174
2501	3.398114	173
2502	3.398287	174
2503	3.398461	173
2504	3.398634	174
2505	3.398808	173
2506	3.398981	173
2507	3.399154	174
2508	3.399328	173
2509	3.399501	173
2510	3.399674	173
2511	3.399847	173
2512	3.400020	172
2513	3.400192	173
2514	3.400365	173
2515	3.400538	173
2516	3.400711	172
2517	3.400883	173
2518	3.401056	172
2519	3.401228	173
2520	3.401401	172
2521	3.401573	172
2522	3.401745	172
2523	3.401917	172
2524	3.402089	172
2525	3.402261	172
2526	3.402433	172
2527	3.402605	172
2528	3.402777	172
2529	3.402949	172
2530	3.403121	171
2531	3.403292	172
2532	3.403464	171
2533	3.403635	172
2534	3.403807	171
2535	3.403978	171
2536	3.404149	171
2537	3.404320	172
2538	3.404492	171
2539	3.404663	171
2540	3.404834	171
2541	3.405005	171
2542	3.405176	170
2543	3.405346	171
2544	3.405517	171
2545	3.405688	170
2546	3.405858	171
2547	3.406029	170
2548	3.406199	171
2549	3.406370	170
2550	3.406540	

Nomb.	0. 42' 30" Logarith.	Dif.
2550	3.406540	170
2551	3.406710	171
2552	3.406881	170
2553	3.407051	170
2554	3.407221	170
2555	3.407391	170
2556	3.407561	170
2557	3.407731	170
2558	3.407901	169
2559	3.408070	170
2560	3.408240	170
2561	3.408410	169
2562	3.408579	170
2563	3.408749	169
2564	3.408918	169
2565	3.409087	170
2566	3.409257	169
2567	3.409426	169
2568	3.409595	169
2569	3.409764	169
2570	3.409933	169
2571	3.410102	169
2572	3.410271	169
2573	3.410440	169
2574	3.410609	168
2575	3.410777	169
2576	3.410946	168
2577	3.411114	169
2578	3.411283	168
2579	3.411451	169
2580	3.411620	168
2581	3.411788	168
2582	3.411956	168
2583	3.412124	169
2584	3.412293	168
2585	3.412461	168
2586	3.412629	167
2587	3.412796	168
2588	3.412964	168
2589	3.413132	168
2590	3.413300	167
2591	3.413467	168
2592	3.413635	168
2593	3.413803	167
2594	3.413970	167
2595	3.414137	168
2596	3.414305	167
2597	3.414472	167
2598	3.414639	167
2599	3.414806	167
2600	3.414973	

Nomb.	0. 43' 20" Logarith.	Dif.
2600	3.414973	167
2601	3.415140	167
2602	3.415307	167
2603	3.415474	167
2604	3.415641	167
2605	3.415808	166
2606	3.415974	167
2607	3.416141	167
2608	3.416308	166
2609	3.416474	167
2610	3.416641	166
2611	3.416807	166
2612	3.416973	166
2613	3.417139	167
2614	3.417306	166
2615	3.417472	166
2616	3.417638	166
2617	3.417804	166
2618	3.417970	165
2619	3.418135	166
2620	3.418301	166
2621	3.418467	166
2622	3.418633	165
2623	3.418798	166
2624	3.418964	165
2625	3.419129	166
2626	3.419295	165
2627	3.419460	165
2628	3.419625	166
2629	3.419791	165
2630	3.419956	165
2631	3.420121	165
2632	3.420286	165
2633	3.420451	165
2634	3.420616	165
2635	3.420781	164
2636	3.420945	165
2637	3.421110	165
2638	3.421275	164
2639	3.421439	165
2640	3.421604	164
2641	3.421768	165
2642	3.421933	164
2643	3.422097	164
2644	3.422261	165
2645	3.422426	164
2646	3.422590	164
2647	3.422754	164
2648	3.422918	164
2649	3.423082	164
2650	3.423246	

Nomb.	0. 44' 10" Logarith.	Dif.
2650	3.423246	164
2651	3.423410	164
2652	3.423574	163
2653	3.423737	164
2654	3.423901	164
2655	3.424065	163
2656	3.424228	164
2657	3.424392	163
2658	3.424555	163
2659	3.424718	164
2660	3.424882	163
2661	3.425045	163
2662	3.425208	163
2663	3.425371	163
2664	3.425534	163
2665	3.425697	163
2666	3.425860	163
2667	3.426023	163
2668	3.426186	163
2669	3.426349	162
2670	3.426511	163
2671	3.426674	162
2672	3.426836	163
2673	3.426999	162
2674	3.427161	163
2675	3.427324	162
2676	3.427486	162
2677	3.427648	163
2678	3.427811	162
2679	3.427973	162
2680	3.428135	162
2681	3.428297	162
2682	3.428459	162
2683	3.428621	162
2684	3.428783	161
2685	3.428944	162
2686	3.429106	162
2687	3.429268	161
2688	3.429429	162
2689	3.429591	161
2690	3.429752	162
2691	3.429914	161
2692	3.430075	161
2693	3.430236	162
2694	3.430398	161
2695	3.430559	161
2696	3.430720	161
2697	3.430881	161
2698	3.431042	161
2699	3.431203	161
2700	3.431364	

Nomb.	0. 45′ 0″ Logarith.	Dif.	Nomb.	0. 45′ 50″ Logarith.	Dif.	Nomb.	0. 46′ 40″ Logarith.	Dif.
2700	3.431364	161	2750	3.439333	158	2800	3.447158	155
2701	3.431525	160	2751	3.439491	157	2801	3.447313	155
2702	3.431685	161	2752	3.439648	158	2802	3.447468	155
2703	3.431846	161	2753	3.439806	158	2803	3.447623	155
2704	3.432007	160	2754	3.439964	158	2804	3.447778	155
2705	3.432167	161	2755	3.440122	157	2805	3.447933	155
2706	3.432328	160	2756	3.440279	158	2806	3.448088	154
2707	3.432488	161	2757	3.440437	157	2807	3.448242	155
2708	3.432649	160	2758	3.440594	158	2808	3.448397	155
2709	3.432809	160	2759	3.440752	157	2809	3.448552	154
2710	3.432969	161	2760	3.440909	157	2810	3.448706	155
2711	3.433130	160	2761	3.441066	158	2811	3.448861	154
2712	3.433290	160	2762	3.441224	157	2812	3.449015	155
2713	3.433450	160	2763	3.441381	157	2813	3.449170	154
2714	3.433610	160	2764	3.441538	157	2814	3.449324	154
2715	3.433770	160	2765	3.441695	157	2815	3.449478	155
2716	3.433930	160	2766	3.441852	157	2816	3.449633	154
2717	3.434090	159	2767	3.442009	157	2817	3.449787	154
2718	3.434249	160	2768	3.442166	157	2818	3.449941	154
2719	3.434409	160	2769	3.442323	157	2819	3.450095	154
2720	3.434569	160	2770	3.442480	157	2820	3.450249	154
2721	3.434729	159	2771	3.442637	156	2821	3.450403	154
2722	3.434888	160	2772	3.442793	157	2822	3.450557	154
2723	3.435048	159	2773	3.442950	156	2823	3.450711	154
2724	3.435207	160	2774	3.443106	157	2824	3.450865	153
2725	3.435367	159	2775	3.443263	156	2825	3.451018	154
2726	3.435526	159	2776	3.443419	157	2826	3.451172	154
2727	3.435685	159	2777	3.443576	156	2827	3.451326	153
2728	3.435844	160	2778	3.443732	157	2828	3.451479	154
2729	3.436004	159	2779	3.443889	156	2829	3.451633	153
2730	3.436163	159	2780	3.444045	156	2830	3.451786	154
2731	3.436322	159	2781	3.444201	156	2831	3.451940	153
2732	3.436481	159	2782	3.444357	156	2832	3.452093	154
2733	3.436640	159	2783	3.444513	156	2833	3.452247	153
2734	3.436799	158	2784	3.444669	156	2834	3.452400	153
2735	3.436957	159	2785	3.444825	156	2835	3.452553	153
2736	3.437116	159	2786	3.444981	156	2836	3.452706	153
2737	3.437275	158	2787	3.445137	156	2837	3.452859	153
2738	3.437433	159	2788	3.445293	156	2838	3.453012	153
2739	3.437592	159	2789	3.445449	155	2839	3.453165	153
2740	3.437751	158	2790	3.445604	156	2840	3.453318	153
2741	3.437909	158	2791	3.445760	155	2841	3.453471	153
2742	3.438067	159	2792	3.445915	156	2842	3.453624	153
2443	3.438226	158	2793	3.446071	155	2843	3.453777	153
2744	3.438384	158	2794	3.446226	156	2844	3.453930	152
2745	3.438542	159	2795	3.446382	155	2845	3.454082	153
2746	3.438701	158	2796	3.446537	155	2846	3.454235	152
2747	3.438859	158	2797	3.446692	156	2847	3.454387	153
2748	3.439017	158	2798	3.446848	155	2848	3.454540	152
2749	3.439175	158	2799	3.447003	155	2849	3.454692	153
2750	3.439333		2800	3.447158		2850	3.454845	

Nomb.	0. 47'. 30" Logarith.	Dif.
2850	3.454845	152
2851	3.454997	153
2852	3.455150	152
2853	3.455302	152
2854	3.455454	152
2855	3.455606	152
2856	3.455758	152
2857	3.455910	152
2858	3.456062	152
2859	3.456214	152
2860	3.456366	152
2861	3.456518	152
2862	3.456670	151
2863	3.456821	152
2864	3.456973	152
2865	3.457125	151
2866	3.457276	152
2867	3.457428	151
2868	3.457579	152
2869	3.457731	151
2870	3.457882	151
2871	3.458033	151
2872	3.458184	152
2873	3.458336	151
2874	3.458487	151
2875	3.458638	151
2876	3.458789	151
2877	3.458940	151
2878	3.459091	151
2879	3.459242	150
2880	3.459392	151
2881	3.459543	151
2882	3.459694	151
2883	3.459845	150
2884	3.459995	151
2885	3.460146	150
2886	3.460296	151
2887	3.460447	150
2888	3.460597	151
2889	3.460748	150
2890	3.460898	150
2891	3.461048	150
2892	3.461198	150
2893	3.461348	151
2894	3.461499	150
2895	3.461649	150
2896	3.461799	149
2897	3.461948	150
2898	3.462098	150
2899	3.462248	150
2900	3.462398	

Nomb.	0. 48' 20" Logarith.	Dif.
2900	3.462398	150
2901	3.462548	149
2902	3.462697	150
2903	3.462847	150
2904	3.462997	149
2905	3.463146	150
2906	3.463296	149
2907	3.463445	149
2908	3.463594	150
2909	3.463744	149
2910	3.463893	149
2911	3.464042	149
2912	3.464191	149
2913	3.464340	150
2914	3.464490	149
2915	3.464639	149
2916	3.464788	148
2917	3.464936	149
2918	3.465085	149
2919	3.465234	149
2920	3.465383	149
2921	3.465532	148
2922	3.465680	149
2923	3.465829	148
2924	3.465977	149
2925	3.466126	148
2926	3.466274	149
2927	3.466423	148
2928	3.466571	148
2929	3.466719	149
2930	3.466868	148
2931	3.467016	148
2932	3.467164	148
2933	3.467312	148
2934	3.467460	148
2935	3.467608	148
2936	3.467756	148
2937	3.467904	148
2938	3.468052	148
2939	3.468200	147
2940	3.468347	148
2941	3.468495	148
2942	3.468643	147
2943	3.468790	148
2944	3.468938	147
2945	3.469085	148
2946	3.469233	147
2947	3.469380	147
2948	3.469527	148
2949	3.469675	147
2950	3.469822	

Nomb.	0. 49' 10" Logarith.	Dif.
2950	3.469822	147
2951	3.469969	147
2952	3.470116	147
2953	3.470263	147
2954	3.470410	147
2955	3.470557	147
2956	3.470704	147
2957	3.470851	147
2958	3.470998	147
2959	3.471145	147
2960	3.471292	146
2961	3.471438	147
2962	3.471585	147
2963	3.471732	146
2964	3.471878	147
2965	3.472025	146
2966	3.472171	147
2967	3.472318	146
2968	3.472464	146
2969	3.472610	146
2970	3.472756	147
2971	3.472903	146
2972	3.473049	146
2973	3.473195	146
2974	3.473341	146
2975	3.473487	146
2976	3.473633	146
2977	3.473779	146
2978	3.473925	146
2979	3.474071	145
2980	3.474216	146
2981	3.474362	146
2982	3.474508	145
2983	3.474653	146
2984	3.474799	145
2985	3.474944	146
2986	3.475090	145
2987	3.475235	146
2988	3.475381	145
2989	3.475526	145
2990	3.475671	145
2991	3.475816	146
2992	3.475962	145
2993	3.476107	145
2994	3.476252	145
2995	3.476397	145
2996	3.476542	145
2997	3.476687	145
2998	3.476832	144
2999	3.476976	145
3000	3.477121	

Nomb.	0. 50′ 0″ Logarith.	Dif.	Nomb.	0. 50′ 50″ Logarith.	Dif.	Nomb.	0. 51′ 40″ Logarith.	Dif.
3000	3.477121	145	3050	3.484300	142	3100	3.491362	140
3001	3.477266	145	3051	3.484442	142	3101	3.491502	140
3002	3.477411	144	3052	3.484584	143	3102	3.491642	140
3003	3.477555	145	3053	3.484727	142	3103	3.491782	140
3004	3.477700	144	3054	3.484869	142	3104	3.491922	140
3005	3.477844	145	3055	3.485011	142	3105	3.492062	139
3006	3.477989	144	3056	3.485153	142	3106	3.492201	140
3007	3.478133	145	3057	3.485295	142	3107	3.492341	140
3008	3.478278	144	3058	3.485437	142	3108	3.492481	140
3009	3.478422	144	3059	3.485579	142	3109	3.492621	139
3010	3.478566	145	3060	3.485721	142	3110	3.492760	140
3011	3.478711	144	3061	3.485863	142	3111	3.492900	140
3012	3.478855	144	3062	3.486005	142	3112	3.493040	139
3013	3.478999	144	3063	3.486147	142	3113	3.493179	140
3014	3.479143	144	3064	3.486289	141	3114	3.493319	139
3015	3.479287	144	3065	3.486430	142	3115	3.493458	139
3016	3.479431	144	3066	3.486572	142	3116	3.493597	140
3017	3.479575	144	3067	3.486714	141	3117	3.493737	139
3018	3.479719	144	3068	3.486855	142	3118	3.493876	139
3019	3.479863	144	3069	3.486997	141	3119	3.494015	140
3020	3.480007	144	3070	3.487138	142	3120	3.494155	139
3021	3.480151	143	3071	3.487280	141	3121	3.494294	139
3022	3.480294	144	3072	3.487421	142	3122	3.494433	139
3023	3.480438	144	3073	3.487563	141	3123	3.494572	139
3024	3.480582	143	3074	3.487704	141	3124	3.494711	139
3025	3.480725	144	3075	3.487845	141	3125	3.494850	139
3026	3.480869	143	3076	3.487986	141	3126	3.494989	139
3027	3.481012	144	3077	3.488127	142	3127	3.495128	139
3028	3.481156	143	3078	3.488269	141	3128	3.495267	139
3029	3.481299	144	3079	3.488410	141	3129	3.495406	138
3030	3.481443	143	3080	3.488551	141	3130	3.495544	139
3031	3.481586	143	3081	3.488692	141	3131	3.495683	139
3032	3.481729	143	3082	3.488833	140	3132	3.495822	138
3033	3.481872	144	3083	3.488973	141	3133	3.495960	139
3034	3.482016	143	3084	3.489114	141	3134	3.496099	139
3035	3.482159	143	3085	3.489255	141	3135	3.496238	138
3036	3.482302	143	3086	3.489396	141	3136	3.496376	138
3037	3.482445	143	3087	3.489537	140	3137	3.496514	139
3038	3.482588	143	3088	3.489677	141	3138	3.496653	138
3039	3.482731	143	3089	3.489818	140	3139	3.496791	139
3040	3.482874	142	3090	3.489958	141	3140	3.496930	138
3041	3.483016	143	3091	3.490099	140	3141	3.497068	138
3042	3.483159	143	3092	3.490239	141	3142	3.497206	138
3043	3.483302	143	3093	3.490380	140	3143	3.497344	139
3044	3.483445	142	3094	3.490520	141	3144	3.497483	138
3045	3.483587	143	3095	3.490661	140	3145	3.497621	138
3046	3.483730	142	3096	3.490801	140	3146	3.497759	138
3047	3.483872	143	3097	3.490941	140	3147	3.497897	138
3048	3.484015	142	3098	3.491081	141	3148	3.498035	138
3049	3.484157	143	3099	3.491222	140	3149	3.498173	138
3050	3.484300		3100	3.491362		3150	3.498311	

Nomb.	0. 52' 30" Logarith.	Dif.
3150	3.498311	137
3151	3.498448	138
3152	3.498586	138
3153	3.498724	138
3154	3.498862	137
3155	3.498999	138
3156	3.499137	138
3157	3.499275	137
3158	3.499412	138
3159	3.499550	137
3160	3.499687	137
3161	3.499824	138
3162	3.499962	137
3163	3.500099	137
3164	3.500236	138
3165	3.500374	137
3166	3.500511	137
3167	3.500648	137
3168	3.500785	137
3169	3.500922	137
3170	3.501059	137
3171	3.501196	137
3172	3.501333	137
3173	3.501470	137
3174	3.501607	137
3175	3.501744	136
3176	3.501880	137
3177	3.502017	137
3178	3.502154	137
3179	3.502291	136
3180	3.502427	137
3181	3.502564	136
3182	3.502700	137
3183	3.502837	136
3184	3.502973	136
3185	3.503109	137
3186	3.503246	136
3187	3.503382	136
3188	3.503518	137
3189	3.503655	136
3190	3.503791	136
3191	3.503927	136
3192	3.504063	136
3193	3.504199	136
3194	3.504335	136
3195	3.504471	136
3196	3.504607	136
3197	3.504743	135
3198	3.504878	136
3199	3.505014	136
3200	3.505150	

Nomb.	0. 53' 20" Logarith.	Dif.
3200	3.505150	136
3201	3.505286	135
3202	3.505421	136
3203	3.505557	136
3204	3.505693	135
3205	3.505828	136
3206	3.505964	135
3207	3.506099	135
3208	3.506234	136
3209	3.506370	135
3210	3.506505	135
3211	3.506640	136
3212	3.506776	135
3213	3.506911	135
3214	3.507046	135
3215	3.507181	135
3216	3.507316	135
3217	3.507451	135
3218	3.507586	135
3219	3.507721	135
3220	3.507856	135
3221	3.507991	135
3222	3.508126	134
3223	3.508260	135
3224	3.508395	135
3225	3.508530	134
3226	3.508664	135
3227	3.508799	135
3228	3.508934	134
3229	3.509068	135
3230	3.509203	134
3231	3.509337	134
3232	3.509471	135
3233	3.509606	134
3234	3.509740	134
3235	3.509874	135
3236	3.510009	134
3237	3.510143	134
3238	3.510277	134
3239	3.510411	134
3240	3.510545	134
3241	3.510679	134
3242	3.510813	134
3243	3.510947	134
3244	3.511081	134
3245	3.511215	134
3246	3.511349	133
3247	3.511482	134
3248	3.511616	134
3249	3.511750	133
3250	3.511883	

Nomb.	0. 54' 10" Logarith.	Dif.
3250	3.511883	134
3251	3.512017	134
3252	3.512151	133
3253	3.512284	134
3254	3.512418	133
3255	3.512551	133
3256	3.512684	134
3257	3.512818	133
3258	3.512951	133
3259	3.513084	134
3260	3.513218	133
3261	3.513351	133
3262	3.513484	133
3263	3.513617	133
3264	3.513750	133
3265	3.513883	133
3266	3.514016	133
3267	3.514149	133
3268	3.514282	133
3269	3.514415	133
3270	3.514548	132
3271	3.514680	133
3272	3.514813	133
3273	3.514946	133
3274	3.515079	132
3275	3.515211	133
3276	3.515344	132
3277	3.515476	133
3278	3.515609	132
3279	3.515741	133
3280	3.515874	132
3281	3.516006	133
3282	3.516139	132
3283	3.516271	132
3284	3.516403	132
3285	3.516535	133
3286	3.516668	132
3287	3.516800	132
3288	3.516932	132
3289	3.517064	132
3290	3.517196	132
3291	3.517328	132
3292	3.517460	132
3293	3.517592	132
3294	3.517724	131
3295	3.517855	132
3296	3.517987	132
3297	3.518119	132
3298	3.518251	131
3299	3.518382	132
3300	3.518514	

Nomb.	0. 55' 0" Logarith.	Dif.
3300	3.518514	132
3301	3.518646	131
3302	3.518777	132
3303	3.518909	131
3304	3.519040	131
3305	3.519171	132
3306	3.519303	131
3307	3.519434	131
3308	3.519565	132
3309	3.519697	131
3310	3.519828	131
3311	3.519959	131
3312	3.520090	131
3313	3.520221	132
3314	3.520353	131
3315	3.520484	131
3316	3.520615	130
3317	3.520745	131
3318	3.520876	131
3319	3.521007	131
3320	3.521138	131
3321	3.521269	131
3322	3.521400	130
3323	3.521530	131
3324	3.521661	131
3325	3.521792	130
3326	3.521922	131
3327	3.522053	130
3328	3.522183	131
3329	3.522314	130
3330	3.522444	131
3331	3.522575	130
3332	3.522705	130
3333	3.522835	131
3334	3.522966	130
3335	3.523096	130
3336	3.523226	130
3337	3.523356	130
3338	3.523486	130
3339	3.523616	130
3340	3.523746	130
3341	3.523876	130
3342	3.524006	130
3343	3.524136	130
3344	3.524266	130
3345	3.524396	130
3346	3.524526	130
3347	3.524656	129
3348	3.524785	130
3349	3.524915	130
3350	3.525045	

Nomb.	0. 55' 50" Logarith.	Dif.
3350	3.525045	129
3351	3.525174	130
3352	3.525304	130
3353	3.525434	129
3354	3.525563	130
3355	3.525693	129
3356	3.525822	129
3357	3.525951	130
3358	3.526081	129
3359	3.526210	129
3360	3.526339	130
3361	3.526469	129
3362	3.526598	129
3363	3.526727	129
3364	3.526856	129
3365	3.526985	129
3366	3.527114	129
3367	3.527243	129
3368	3.527372	129
3369	3.527501	129
3370	3.527630	129
3371	3.527759	129
3372	3.527888	128
3373	3.528016	129
3374	3.528145	129
3375	3.528274	128
3376	3.528402	129
3377	3.528531	129
3378	3.528660	128
3379	3.528788	129
3380	3.528917	128
3381	3.529045	129
3382	3.529174	128
3383	3.529302	128
3384	3.529430	129
3385	3.529559	128
3386	3.529687	128
3387	3.529815	128
3388	3.529943	129
3389	3.530072	128
3390	3.530200	128
3391	3.530328	128
3392	3.530456	128
3393	3.530584	128
3394	3.530712	128
3395	3.530840	128
3396	3.530968	128
3397	3.531096	127
3398	3.531223	128
3399	3.531351	128
3400	3.531479	

Nomb.	0. 56' 40" Logarith.	Dif.
3400	3.531479	128
3401	3.531607	127
3402	3.531734	128
3403	3.531862	128
3404	3.531990	127
3405	3.532117	128
3406	3.532245	127
3407	3.532372	128
3408	3.532500	127
3409	3.532627	127
3410	3.532754	128
3411	3.532882	127
3412	3.533009	127
3413	3.533136	128
3414	3.533264	127
3415	3.533391	127
3416	3.533518	127
3417	3.533645	127
3418	3.533772	127
3419	3.533899	127
3420	3.534026	127
3421	3.534153	127
3422	3.534280	127
3423	3.534407	127
3424	3.534534	127
3425	3.534661	126
3426	3.534787	127
3427	3.534914	127
3428	3.535041	126
3429	3.535167	127
3430	3.535294	127
3431	3.535421	126
3432	3.535547	127
3433	3.535674	126
3434	3.535800	127
3435	3.535927	126
3436	3.536053	127
3437	3.536180	126
3438	3.536306	126
3439	3.536432	126
3440	3.536558	127
3441	3.536685	126
3442	3.536811	126
3443	3.536937	126
3444	3.537063	126
3445	3.537189	126
3446	3.537315	126
3447	3.537441	126
3448	3.537567	126
3449	3.537693	126
3450	3.537819	

Nomb.	0. 57' 30" Logarith.	Dif.
3450	3.537819	
3451	3.537945	126
3452	3.538071	126
3453	3.538197	126
3454	3.538322	125
3455	3.538448	126
3456	3.538574	126
3457	3.538699	125
3458	3.538825	126
3459	3.538951	126
3460	3.539076	125
3461	3.539202	126
3462	3.539327	125
3463	3.539452	125
3464	3.539578	126
3465	3.539703	125
3466	3.539829	126
3467	3.539954	125
3468	3.540079	125
3469	3.540204	125
3470	3.540329	125
3471	3.540455	126
3472	3.540580	125
3473	3.540705	125
3474	3.540830	125
3475	3.540955	125
3476	3.541080	125
3477	3.541205	125
3478	3.541330	124
3479	3.541454	125
3480	3.541579	125
3481	3.541704	125
3482	3.541829	124
3483	3.541953	125
3484	3.542078	125
3485	3.542203	124
3486	3.542327	125
3487	3.542452	124
3488	3.542576	125
3489	3.542701	124
3490	3.542825	125
3491	3.542950	124
3492	3.543074	125
3493	3.543199	124
3494	3.543323	124
3495	3.543447	124
3496	3.543571	125
3497	3.543696	124
3498	3.543820	124
3499	3.543944	124
3500	3.544068	

Nomb.	0. 58' 20" Logarith.	Dif.
3500	3.544068	
3501	3.544192	124
3502	3.544316	124
3503	3.544440	124
3504	3.544564	124
3505	3.544688	124
3506	3.544812	124
3507	3.544936	124
3508	3.545060	123
3509	3.545183	124
3510	3.545307	124
3511	3.545431	124
3512	3.545555	123
3513	3.545678	124
3514	3.545802	123
3515	3.545925	124
3516	3.546049	123
3517	3.546172	124
3518	3.546296	123
3519	3.546419	124
3520	3.546543	123
3521	3.546666	123
3522	3.546789	124
3523	3.546913	123
3524	3.547036	123
3525	3.547159	123
3526	3.547282	123
3527	3.547405	124
3528	3.547529	123
3529	3.547652	123
3530	3.547775	123
3531	3.547898	123
3532	3.548021	123
3533	3.548144	123
3534	3.548267	122
3535	3.548389	123
3536	3.548512	123
3537	3.548635	123
3538	3.548758	123
3539	3.548881	122
3540	3.549003	123
3541	3.549126	123
3542	3.549249	122
3543	3.549371	123
3544	3.549494	122
3545	3.549616	123
3546	3.549739	122
3547	3.549861	123
3548	3.549984	122
3549	3.550106	122
3550	3.550228	

Nomb.	0. 59' 10" Logarith.	Dif.
3550	3.550228	
3551	3.550351	123
3552	3.550473	122
3553	3.550595	122
3554	3.550717	122
3555	3.550840	123
3556	3.550962	122
3557	3.551084	122
3558	3.551206	122
3559	3.551328	122
3560	3.551450	122
3561	3.551572	122
3562	3.551694	122
3563	3.551816	122
3564	3.551938	122
3565	3.552060	121
3566	3.552181	122
3567	3.552303	122
3568	3.552425	122
3569	3.552547	121
3570	3.552668	122
3571	3.552790	121
3572	3.552911	122
3573	3.553033	122
3574	3.553155	121
3575	3.553276	122
3576	3.553398	121
3577	3.553519	121
3578	3.553640	122
3579	3.553762	121
3580	3.553883	121
3581	3.554004	122
3582	3.554126	121
3583	3.554247	121
3584	3.554368	121
3585	3.554489	121
3586	3.554610	121
3587	3.554731	121
3588	3.554852	121
3589	3.554973	121
3590	3.555094	121
3591	3.555215	121
3592	3.555336	121
3593	3.555457	121
3594	3.555578	121
3595	3.555699	121
3596	3.555820	120
3597	3.555940	121
3598	3.556061	121
3599	3.556182	121
3600	3.556303	

Nomb.	1. 0′ 0″ Logarith.	Dif.
3600	3.556303	
3601	3.556423	120
3602	3.556544	121
3603	3.556664	120
3604	3.556785	121
3605	3.556905	120
3606	3.557026	121
3607	3.557146	120
3608	3.557267	121
3609	3.557387	120
3610	3.557507	120
3611	3.557627	120
3612	3.557748	121
3613	3.557868	120
3614	3.557988	120
3615	3.558108	120
3616	3.558228	120
3617	3.558349	121
3618	3.558469	120
3619	3.558589	120
3620	3.558709	120
3621	3.558829	120
3622	3.558948	119
3623	3.559068	120
3624	3.559188	120
3625	3.559308	120
3626	3.559428	120
3627	3.559548	120
3628	3.559667	119
3629	3.559787	120
3630	3.559907	120
3631	3.560026	119
3632	3.560146	120
3633	3.560265	119
3634	3.560385	120
3635	3.560504	119
3636	3.560624	120
3637	3.560743	119
3638	3.560863	120
3639	3.560982	119
3640	3.561101	119
3641	3.561221	120
3642	3.561340	119
3643	3.561459	119
3644	3.561578	119
3645	3.561698	120
3646	3.561817	119
3647	3.561936	119
3648	3.562055	119
3649	3.562174	119
3650	3.562293	119

Nomb.	1. 0′ 50″ Logarith.	Dif.
3650	3.562293	
3651	3.562412	119
3652	3.562531	119
3653	3.562650	119
3654	3.562769	119
3655	3.562887	118
3656	3.563006	119
3657	3.563125	119
3658	3.563244	119
3659	3.563362	118
3660	3.563481	119
3661	3.563600	119
3662	3.563718	118
3663	3.563837	119
3664	3.563955	118
3665	3.564074	119
3666	3.564192	118
3667	3.564311	119
3668	3.564429	118
3669	3.564548	119
3670	3.564666	118
3671	3.564784	118
3672	3.564903	119
3673	3.565021	118
3674	3.565139	118
3675	3.565257	118
3676	3.565376	119
3677	3.565494	118
3678	3.565612	118
3679	3.565730	118
3680	3.565848	118
3681	3.565966	118
3682	3.566084	118
3683	3.566202	118
3684	3.566320	118
3685	3.566437	117
3686	3.566555	118
3687	3.566673	118
3688	3.566791	118
3689	3.566909	118
3690	3.567026	117
3691	3.567144	118
3692	3.567262	118
3693	3.567379	117
3694	3.567497	118
3695	3.567614	117
3696	3.567732	118
3697	3.567849	117
3698	3.567967	118
3699	3.568084	117
3700	3.568202	118

Nomb.	1. 1′ 40″ Logarith.	Dif.
3700	3.568202	
3701	3.568319	117
3702	3.568436	117
3703	3.568554	118
3704	3.568671	117
3705	3.568788	117
3706	3.568905	117
3707	3.569023	118
3708	3.569140	117
3709	3.569257	117
3710	3.569374	117
3711	3.569491	117
3712	3.569608	117
3713	3.569725	117
3714	3.569842	117
3715	3.569959	117
3716	3.570076	117
3717	3.570193	117
3718	3.570309	116
3719	3.570426	117
3720	3.570543	117
3721	3.570660	117
3722	3.570776	116
3723	3.570893	117
3724	3.571010	117
3725	3.571126	116
3726	3.571243	117
3727	3.571359	116
3728	3.571476	117
3729	3.571592	116
3730	3.571709	117
3731	3.571825	116
3732	3.571942	117
3733	3.572058	116
3734	3.572174	116
3735	3.572291	117
3736	3.572407	116
3737	3.572523	116
3738	3.572639	116
3739	3.572755	116
3740	3.572872	117
3741	3.572988	116
3742	3.573104	116
3743	3.573220	116
3744	3.573336	116
3745	3.573452	116
3746	3.573568	116
3747	3.573684	116
3748	3.573800	115
3749	3.573915	116
3750	3.574031	

Nomb.	1. 2' 30" Logarith.	Dif.
3750	3.574031	116
3751	3.574147	116
3752	3.574263	116
3753	3.574379	115
3754	3.574494	116
3755	3.574610	116
3756	3.574726	115
3757	3.574841	116
3758	3.574957	115
3759	3.575072	116
3760	3.575188	115
3761	3.575303	116
3762	3.575419	115
3763	3.575534	116
3764	3.575650	115
3765	3.575765	115
3766	3.575880	116
3767	3.575996	115
3768	3.576111	115
3769	3.576226	115
3770	3.576341	116
3771	3.576457	115
3772	3.576572	115
3773	3.576687	115
3774	3.576802	115
3775	3.576917	115
3776	3.577032	115
3777	3.577147	115
3778	3.577262	115
3779	3.577377	115
3780	3.577492	115
3781	3.577607	115
3782	3.577722	114
3783	3.577836	115
3784	3.577951	115
3785	3.578066	115
3786	3.578181	114
3787	3.578295	115
3788	3.578410	115
3789	3.578525	114
3790	3.578639	115
3791	3.578754	114
3792	3.578868	115
3793	3.578983	114
3794	3.579097	115
3795	3.579212	114
3796	3.579326	115
3797	3.579441	114
3798	3.579555	114
3799	3.579669	115
3800	3.579784	

Nomb.	1. 3' 20" Logarith.	Dif.
3800	3.579784	114
3801	3.579898	114
3802	3.580012	114
3803	3.580126	115
3804	3.580241	114
3805	3.580355	114
3806	3.580469	114
3807	3.580583	114
3808	3.580697	114
3809	3.580811	114
3810	3.580925	114
3811	3.581039	114
3812	3.581153	114
3813	3.581267	114
3814	3.581381	114
3815	3.581495	113
3816	3.581608	114
3817	3.581722	114
3818	3.581836	114
3819	3.581950	113
3820	3.582063	114
3821	3.582177	114
3822	3.582291	113
3823	3.582404	114
3824	3.582518	113
3825	3.582631	114
3826	3.582745	113
3827	3.582858	114
3828	3.582972	113
3829	3.583085	114
3830	3.583199	113
3831	3.583312	114
3832	3.583426	113
3833	3.583539	113
3834	3.583652	113
3835	3.583765	114
3836	3.583879	113
3837	3.583992	113
3838	3.584105	113
3839	3.584218	113
3840	3.584331	113
3841	3.584444	113
3842	3.584557	113
3843	3.584670	113
3844	3.584783	113
3845	3.584896	113
3846	3.585009	113
3847	3.585122	113
3848	3.585235	113
3849	3.585348	113
3850	3.585461	

Nomb.	1. 4' 10" Logarith.	Dif.
3850	3.585461	113
3851	3.585574	112
3852	3.585686	113
3853	3.585799	113
3854	3.585912	112
3855	3.586024	113
3856	3.586137	113
3857	3.586250	112
3858	3.586362	113
3859	3.586475	112
3860	3.586587	113
3861	3.586700	112
3862	3.586812	113
3863	3.586925	112
3864	3.587037	112
3865	3.587149	113
3866	3.587262	112
3867	3.587374	112
3868	3.587486	113
3869	3.587599	112
3870	3.587711	112
3871	3.587823	112
3872	3.587935	112
3873	3.588047	113
3874	3.588160	112
3875	3.588272	112
3876	3.588384	112
3877	3.588496	112
3878	3.588608	112
3879	3.588720	112
3880	3.588832	112
3881	3.588944	112
3882	3.589056	111
3883	3.589167	112
3884	3.589279	112
3885	3.589391	112
3886	3.589503	112
3887	3.589615	111
3888	3.589726	112
3889	3.589838	112
3890	3.589950	111
3891	3.590061	112
3892	3.590173	111
3893	3.590284	112
3894	3.590396	111
3895	3.590507	112
3896	3.590619	111
3897	3.590730	112
3898	3.590842	111
3899	3.590953	112
3900	3.591065	

Nomb.	1. 5′ 0″ Logarith.	Dif.	Nomb.	1. 5′ 50″ Logarith.	Dif.	Nomb.	1. 6 40″ Logarith.	Dif.
3900	3.591065	111	3950	3.596597	110	4000	3.602060	109
3901	3.591176	111	3951	3.596707	110	4001	3.602169	108
3902	3.591287	112	3952	3.596817	110	4002	3.602277	109
3903	3.591399	111	3953	3.596927	110	4003	3.602386	108
3904	3.591510	111	3954	3.597037	109	4004	3.602494	109
3905	3.591621	111	3955	3.597146	110	4005	3.602603	108
3906	3.591732	111	3956	3.597256	110	4006	3.602711	108
3907	3.591843	112	3957	3.597366	110	4007	3.602819	109
3908	3.591955	111	3958	3.597476	110	4008	3.602928	108
3909	3.592066	111	3959	3.597586	109	4009	3.603036	108
3910	3.592177	111	3960	3.597695	110	4010	3.603144	109
3911	3.592288	111	3961	3.597805	109	4011	3.603253	108
3912	3.592399	111	3962	3.597914	110	4012	3.603361	108
3913	3.592510	111	3963	3.598024	110	4013	3.603469	108
3914	3.592621	111	3964	3.598134	109	4014	3.603577	109
3915	3.592732	111	3965	3.598243	110	4015	3.603686	108
3916	3.592843	111	3966	3.598353	109	4016	3.603794	108
3917	3.592954	110	3967	3.598462	110	4017	3.603902	108
3918	3.593064	111	3968	3.598572	109	4018	3.604010	108
3919	3.593175	111	3969	3.598681	110	4019	3.604118	108
3920	3.593286	111	3970	3.598791	109	4020	3.604226	108
3921	3.593397	111	3971	3.598900	109	4021	3.604334	108
3922	3.593508	110	3972	3.599009	110	4022	3.604442	108
3923	3.593618	111	3973	3.599119	109	4023	3.604550	108
3924	3.593729	111	3974	3.599228	109	4024	3.604658	108
3925	3.593840	110	3975	3.599337	109	4025	3.604766	108
3926	3.593950	111	3976	3.599446	110	4026	3.604874	108
3927	3.594061	110	3977	3.599556	109	4027	3.604982	107
3928	3.594171	111	3978	3.599665	109	4028	3.605089	108
3929	3.594282	111	3979	3.599774	109	4029	3.605197	108
3930	3.594393	110	3980	3.599883	109	4030	3.605305	108
3931	3.594503	111	3981	3.599992	109	4031	3.605413	108
3932	3.594614	110	3982	3.600101	109	4032	3.605521	107
3933	3.594724	110	3983	3.600210	109	4033	3.605628	108
3934	3.594834	111	3984	3.600319	109	4034	3.605736	108
3935	3.594945	110	3985	3.600428	109	4035	3.605844	107
3936	3.595055	110	3986	3.600537	109	4036	3.605951	108
3937	3.595165	111	3987	3.600646	109	4037	3.606059	107
3938	3.595276	110	3988	3.600755	109	4038	3.606166	108
3939	3.595386	110	3989	3.600864	109	4039	3.606274	107
3940	3.595496	110	3990	3.600973	109	4040	3.606381	108
3941	3.595606	111	3991	3.601082	109	4041	3.606489	107
3942	3.595717	110	3992	3.601191	108	4042	3.606596	108
3943	3.595827	110	3993	3.601299	109	4043	3.606704	107
3944	3.595937	110	3994	3.601408	109	4044	3.606811	108
3945	3.596047	110	3995	3.601517	108	4045	3.606919	107
3946	3.596157	110	3996	3.601625	109	4046	3.607026	107
3947	3.596267	110	3997	3.601734	109	4047	3.607133	108
3948	3.596377	110	3998	3.601843	108	4048	3.607241	107
3949	3.596487	110	3999	3.601951	109	4049	3.607348	107
3950	3.596597		4000	3.602060		4050	3.607455	

Nomb.	1. 7′ 30″ Logarith.	Dif.
4050	3.607455	107
4051	3.607562	107
4052	3.607669	108
4053	3.607777	107
4054	3.607884	107
4055	3.607991	107
4056	3.608098	107
4057	3.608205	107
4058	3.608312	107
4059	3.608419	107
4060	3.608526	107
4061	3.608633	107
4062	3.608740	107
4063	3.608847	107
4064	3.608954	107
4065	3.609061	106
4066	3.609167	107
4067	3.609274	107
4068	3.609381	107
4069	3.609488	106
4070	3.609594	107
4071	3.609701	107
4072	3.609808	106
4073	3.609914	107
4074	3.610021	107
4075	3.610128	106
4076	3.610234	107
4077	3.610341	106
4078	3.610447	107
4079	3.610554	106
4080	3.610660	107
4081	3.610767	106
4082	3.610873	106
4083	3.610979	107
4084	3.611086	106
4085	3.611192	106
4086	3.611298	107
4087	3.611405	106
4088	3.611511	106
4089	3.611617	106
4090	3.611723	106
4091	3.611829	107
4092	3.611936	106
4093	3.612042	106
4094	3.612148	106
4095	3.612254	106
4096	3.612360	106
4097	3.612466	106
4098	3.612572	106
4099	3.612678	106
4100	3.612784	

Nomb.	1. 8′ 20″ Logarith.	Dif.
4100	3.612784	106
4101	3.612890	106
4102	3.612996	106
4103	3.613102	105
4104	3.613207	106
4105	3.613313	106
4106	3.613419	106
4107	3.613525	105
4108	3.613630	106
4109	3.613736	106
4110	3.613842	105
4111	3.613947	106
4112	3.614053	106
4113	3.614159	105
4114	3.614264	106
4115	3.614370	105
4116	3.614475	106
4117	3.614581	105
4118	3.614686	106
4119	3.614792	105
4120	3.614897	106
4121	3.615003	105
4122	3.615108	105
4123	3.615213	106
4124	3.615319	105
4125	3.615424	105
4126	3.615529	105
4127	3.615634	106
4128	3.615740	105
4129	3.615845	105
4130	3.615950	105
4131	3.616055	105
4132	3.616160	105
4133	3.616265	105
4134	3.616370	106
4135	3.616476	105
4136	3.616581	105
4137	3.616686	104
4138	3.616790	105
4139	3.616895	105
4140	3.617000	105
4141	3.617105	105
4142	3.617210	105
4143	3.617315	105
4144	3.617420	105
4145	3.617525	104
4146	3.617629	105
4147	3.617734	105
4148	3.617839	104
4149	3.617943	105
4150	3.618048	

Nomb.	1. 9 10″ Logarith.	Dif.
4150	3.618048	105
4151	3.618153	104
4152	3.618257	105
4153	3.618362	104
4154	3.618466	105
4155	3.618571	105
4156	3.618676	104
4157	3.618780	104
4158	3.618884	105
4159	3.618989	104
4160	3.619093	105
4161	3.619198	104
4162	3.619302	104
4163	3.619406	105
4164	3.619511	104
4165	3.619615	104
4166	3.619719	105
4167	3.619824	104
4168	3.619928	104
4169	3.620032	104
4170	3.620136	104
4171	3.620240	104
4172	3.620344	104
4173	3.620448	104
4174	3.620552	104
4175	3.620656	104
4176	3.620760	104
4177	3.620864	104
4178	3.620968	104
4179	3.621072	104
4180	3.621176	104
4181	3.621280	104
4182	3.621384	104
4183	3.621488	104
4184	3.621592	103
4185	3.621695	104
4186	3.621799	104
4187	3.621903	104
4188	3.622007	103
4189	3.622110	104
4190	3.622214	104
4191	3.622318	103
4192	3.622421	104
4193	3.622525	103
4194	3.622628	104
4195	3.622732	103
4196	3.622835	104
4197	3.622939	103
4198	3.623042	104
4199	3.623146	103
4200	3.623249	

Nomb.	1. 10′ 0″ Logarith.	Dif.
4200	3.623249	
4201	3.623353	104
4202	3.623456	103
4203	3.623559	103
4204	3.623663	104
4205	3.623766	103
4206	3.623869	103
4207	3.623973	104
4208	3.624076	103
4209	3.624179	103
4210	3.624282	103
4211	3.624385	103
4212	3.624488	103
4213	3.624591	103
4214	3.624695	104
4215	3.624798	103
4216	3.624901	103
4217	3.625004	103
4218	3.625107	103
4219	3.625210	103
4220	3.625312	102
4221	3.625415	103
4222	3.625518	103
4223	3.625621	103
4224	3.625724	103
4225	3.625827	103
4226	3.625929	102
4227	3.626032	103
4228	3.626135	103
4229	3.626238	103
4230	3.626340	102
4231	3.626443	103
4232	3.626546	103
4233	3.626648	102
4234	3.626751	103
4235	3.626853	102
4236	3.626956	103
4237	3.627058	102
4238	3.627161	103
4239	3.627263	102
4240	3.627366	103
4241	3.627468	102
4242	3.627571	103
4243	3.627673	102
4244	3.627775	102
4245	3.627878	103
4246	3.627980	102
4247	3.628082	102
4248	3.628185	103
4249	3.628287	102
4250	3.628389	102

Nomb.	1. 10′ 50′ Logarith.	Dif.
4250	3.628389	
4251	3.628491	102
4252	3.628593	102
4253	3.628695	102
4254	3.628797	102
4255	3.628900	103
4256	3.629002	102
4257	3.629104	102
4258	3.629206	102
4259	3.629308	102
4260	3.629410	102
4261	3.629512	102
4262	3.629613	101
4263	3.629715	102
4264	3.629817	102
4265	3.629919	102
4266	3.630021	102
4267	3.630123	102
4268	3.630224	101
4269	3.630326	102
4270	3.630428	102
4271	3.630530	102
4272	3.630631	101
4273	3.630733	102
4274	3.630835	102
4275	3.630936	101
4276	3.631038	102
4277	3.631139	101
4278	3.631241	102
4279	3.631342	101
4280	3.631444	102
4281	3.631545	101
4282	3.631647	102
4283	3.631748	101
4284	3.631849	101
4285	3.631951	102
4286	3.632052	101
4287	3.632153	101
4288	3.632255	102
4289	3.632356	101
4290	3.632457	101
4291	3.632559	102
4292	3.632660	101
4293	3.632761	101
4294	3.632862	101
4295	3.632963	101
4296	3.633064	101
4297	3.633165	101
4298	3.633266	101
4299	3.633367	101
4300	3.633468	101

Nomb.	1. 11′ 40″ Logarith.	Dif.
4300	3.633468	
4301	3.633569	101
4302	3.633670	101
4303	3.633771	101
4304	3.633872	101
4305	3.633973	101
4306	3.634074	101
4307	3.634175	101
4308	3.634276	100
4309	3.634376	101
4310	3.634477	101
4311	3.634578	101
4312	3.634679	100
4313	3.634779	101
4314	3.634880	101
4315	3.634981	100
4316	3.635081	101
4317	3.635182	101
4318	3.635283	100
4319	3.635383	101
4320	3.635484	100
4321	3.635584	101
4322	3.635685	100
4323	3.635785	101
4324	3.635886	100
4325	3.635986	101
4326	3.636087	100
4327	3.636187	100
4328	3.636287	101
4329	3.636388	100
4330	3.636488	100
4331	3.636588	100
4332	3.636688	101
4333	3.636789	100
4334	3.636889	100
4335	3.636989	100
4336	3.637089	100
4337	3.637189	101
4338	3.637290	100
4339	3.637390	100
4340	3.637490	100
4341	3.637590	100
4342	3.637690	100
4343	3.637790	100
4344	3.637890	100
4345	3.637990	100
4346	3.638090	100
4347	3.638190	100
4348	3.638290	99
4349	3.638389	100
4350	3.638489	

Nomb.	I. 12' 30" Logarith.	Dif.
4350	3.638489	
4351	3.638589	100
4352	3.638689	100
4353	3.638789	100
4354	3.638888	99
4355	3.638988	100
4356	3.639088	100
4357	3.639188	100
4358	3.639287	99
4359	3.639387	100
4360	3.639486	99
4361	3.639586	100
4362	3.639686	100
4363	3.639785	99
4364	3.639885	100
4365	3.639984	99
4366	3.640084	100
4367	3.640183	99
4368	3.640283	100
4369	3.640382	99
4370	3.640481	99
4371	3.640581	100
4372	3.640680	99
4373	3.640779	99
4374	3.640879	100
4375	3.640978	99
4376	3.641077	99
4377	3.641177	100
4378	3.641276	99
4379	3.641375	99
4380	3.641474	99
4381	3.641573	99
4382	3.641672	99
4383	3.641771	99
4384	3.641871	100
4385	3.641970	99
4386	3.642069	99
4387	3.642168	99
4388	3.642267	99
4389	3.642366	99
4390	3.642465	99
4391	3.642563	98
4392	3.642662	99
4393	3.642761	99
4394	3.642860	99
4395	3.642959	99
4396	3.643058	99
4397	3.643156	98
4398	3.643255	99
4399	3.643354	99
4400	3.643453	99

Nomb.	I. 13' 20" Logarith.	Dif.
4400	3.643453	
4401	3.643551	98
4402	3.643650	99
4403	3.643749	99
4404	3.643847	98
4405	3.643946	99
4406	3.644044	98
4407	3.644143	99
4408	3.644242	99
4409	3.644340	98
4410	3.644439	99
4411	3.644537	98
4412	3.644636	99
4413	3.644734	98
4414	3.644832	98
4415	3.644931	99
4416	3.645029	98
4417	3.645127	98
4418	3.645226	99
4419	3.645324	98
4420	3.645422	98
4421	3.645521	99
4422	3.645619	98
4423	3.645717	98
4424	3.645815	98
4425	3.645913	98
4426	3.646011	98
4427	3.646110	99
4428	3.646208	98
4429	3.646306	98
4430	3.646404	98
4431	3.646502	98
4432	3.646600	98
4433	3.646698	98
4434	3.646796	98
4435	3.646894	98
4436	3.646992	98
4437	3.647089	97
4438	3.647187	98
4439	3.647285	98
4440	3.647383	98
4441	3.647481	98
4442	3.647579	98
4443	3.647676	97
4444	3.647774	98
4445	3.647872	98
4446	3.647969	97
4447	3.648067	98
4448	3.648165	98
4449	3.648262	97
4450	3.648360	98

Nomb.	I. 14' 10" Logarith.	Dif.
4450	3.648360	
4451	3.648458	98
4452	3.648555	97
4453	3.648653	98
4454	3.648750	97
4455	3.648848	98
4456	3.648945	97
4457	3.649043	98
4458	3.649140	97
4459	3.649237	97
4460	3.649335	98
4461	3.649432	97
4462	3.649530	98
4463	3.649627	97
4464	3.649724	97
4465	3.649821	97
4466	3.649919	98
4467	3.650016	97
4468	3.650113	97
4469	3.650210	97
4470	3.650308	98
4471	3.650405	97
4472	3.650502	97
4473	3.650599	97
4474	3.650696	97
4475	3.650793	97
4476	3.650890	97
4477	3.650987	97
4478	3.651084	97
4479	3.651181	97
4480	3.651278	97
4481	3.651375	97
4482	3.651472	97
4483	3.651569	97
4484	3.651666	96
4485	3.651762	97
4486	3.651859	97
4487	3.651956	97
4488	3.652053	97
4489	3.652150	96
4490	3.652246	97
4491	3.652343	97
4492	3.652440	96
4493	3.652536	97
4494	3.652633	97
4495	3.652730	96
4496	3.652826	97
4497	3.652923	96
4498	3.653019	97
4499	3.653116	97
4500	3.653213	

Nomb.	1. 15 0″ Logarith.	Dif.
4500	3.653213	
4501	3.653309	96
4502	3.653405	96
4503	3.653502	97
4504	3.653598	96
4505	3.653695	97
4506	3.653791	96
4507	3.653888	97
4508	3.653984	96
4509	3.654080	96
4510	3.654177	97
4511	3.654273	96
4512	3.654369	96
4513	3.654465	96
4514	3.654562	97
4515	3.654658	96
4516	3.654754	96
4517	3.654850	96
4518	3.654946	96
4519	3.655042	96
4520	3.655138	96
4521	3.655235	97
4522	3.655331	96
4523	3.655427	96
4524	3.655523	96
4525	3.655619	96
4526	3.655715	96
4527	3.655810	95
4528	3.655906	96
4529	3.656002	96
4530	3.656098	96
4531	3.656194	96
4532	3.656290	96
4533	3.656386	96
4534	3.656482	96
4535	3.656577	95
4536	3.656673	96
4537	3.656769	96
4538	3.656864	95
4539	3.656960	96
4540	3.657056	96
4541	3.657152	96
4542	3.657247	95
4543	3.657343	96
4544	3.657438	95
4545	3.657534	96
4546	3.657629	95
4547	3.657725	96
4548	3.657820	95
4549	3.657916	96
4550	3.658011	95

Nomb.	1. 15′ 50″ Logarith.	Dif.
4550	3.658011	
4551	3.658107	96
4552	3.658202	95
4553	3.658298	96
4554	3.658393	95
4555	3.658488	95
4556	3.658584	96
4557	3.658679	95
4558	3.658774	95
4559	3.658870	96
4560	3.658965	95
4561	3.659060	95
4562	3.659155	95
4563	3.659250	95
4564	3.659346	96
4565	3.659441	95
4566	3.659536	95
4567	3.659631	95
4568	3.659726	95
4569	3.659821	95
4570	3.659916	95
4571	3.660011	95
4572	3.660106	95
4573	3.660201	95
4574	3.660296	95
4575	3.660391	95
4576	3.660486	95
4577	3.660581	95
4578	3.660676	95
4579	3.660771	95
4580	3.660865	94
4581	3.660960	95
4582	3.661055	95
4583	3.661150	95
4584	3.661245	95
4585	3.661339	94
4586	3.661434	95
4587	3.661529	95
4588	3.661623	94
4589	3.661718	95
4590	3.661813	95
4591	3.661907	94
4592	3.662002	95
4593	3.662096	94
4594	3.662191	95
4595	3.662286	95
4596	3.662380	94
4597	3.662475	95
4598	3.662569	94
4599	3.662663	94
4600	3.662758	95

Nomb.	1. 16′ 40″ Logarith.	Dif.
4600	3.662758	
4601	3.662852	94
4602	3.662947	95
4603	3.663041	94
4604	3.663135	94
4605	3.663230	95
4606	3.663324	94
4607	3.663418	94
4608	3.663512	94
4609	3.663607	95
4610	3.663701	94
4611	3.663795	94
4612	3.663889	94
4613	3.663983	94
4614	3.664078	95
4615	3.664172	94
4616	3.664266	94
4617	3.664360	94
4618	3.664454	94
4619	3.664548	94
4620	3.664642	94
4621	3.664736	94
4622	3.664830	94
4623	3.664924	94
4624	3.665018	94
4625	3.665112	94
4626	3.665206	94
4627	3.665299	93
4628	3.665393	94
4629	3.665487	94
4630	3.665581	94
4631	3.665675	94
4632	3.665769	94
4633	3.665862	93
4634	3.665956	94
4635	3.666050	94
4636	3.666143	93
4637	3.666237	94
4638	3.666331	94
4639	3.666424	93
4640	3.666518	94
4641	3.666612	94
4642	3.666705	93
4643	3.666799	94
4644	3.666892	93
4645	3.666986	94
4646	3.667079	93
4647	3.667173	94
4648	3.667266	93
4649	3.667360	94
4650	3.667453	93

Nomb.	1. 17′ 30″ Logarith.	Dif.
4650	3.667453	
4651	3.667546	93
4652	3.667640	94
4653	3.667733	93
4654	3.667826	93
4655	3.667920	94
4656	3.668013	93
4657	3.668106	93
4658	3.668199	93
4659	3.668293	94
4660	3.668386	93
4661	3.668479	93
4662	3.668572	93
4663	3.668665	93
4664	3.668759	94
4665	3.668852	93
4666	3.668945	93
4667	3.669038	93
4668	3.669131	93
4669	3.669224	93
4670	3.669317	93
4671	3.669410	93
4672	3.669503	93
4673	3.669596	93
4674	3.669689	93
4675	3.669782	93
4676	3.669875	93
4677	3.669967	92
4678	3.670060	93
4679	3.670153	93
4680	3.670246	93
4681	3.670339	93
4682	3.670431	92
4683	3.670524	93
4684	3.670617	93
4685	3.670710	93
4686	3.670802	92
4687	3.670895	93
4688	3.670988	93
4689	3.671080	92
4690	3.671173	93
4691	3.671265	92
4692	3.671358	93
4693	3.671451	93
4694	3.671543	92
4695	3.671636	93
4696	3.671728	92
4697	3.671821	93
4698	3.671913	92
4699	3.672005	92
4700	3.672098	93

Nomb.	1. 18′ 20″ Logarith.	Dif.
4700	3.672098	
4701	3.672190	92
4702	3.672283	93
4703	3.672375	92
4704	3.672467	92
4705	3.672560	93
4706	3.672652	92
4707	3.672744	92
4708	3.672836	92
4709	3.672929	93
4710	3.673021	92
4711	3.673113	92
4712	3.673205	92
4713	3.673297	92
4714	3.673390	93
4715	3.673482	92
4716	3.673574	92
4717	3.673666	92
4718	3.673758	92
4719	3.673850	92
4720	3.673942	92
4721	3.674034	92
4722	3.674126	92
4723	3.674218	92
4724	3.674310	92
4725	3.674402	92
4726	3.674494	92
4727	3.674586	92
4728	3.674677	91
4729	3.674769	92
4730	3.674861	92
4731	3.674953	92
4732	3.675045	92
4733	3.675137	92
4734	3.675228	91
4735	3.675320	92
4736	3.675412	92
4737	3.675503	91
4738	3.675595	92
4739	3.675687	92
4740	3.675778	91
4741	3.675870	92
4742	3.675962	92
4743	3.676053	91
4744	3.676145	92
4745	3.676236	91
4746	3.676328	92
4747	3.676419	91
4748	3.676511	92
4749	3.676602	91
4750	3.676694	92

Nomb.	1. 19′ 10″ Logarith.	Dif.
4750	3.676694	
4751	3.676785	91
4752	3.676876	91
4753	3.676968	92
4754	3.677059	91
4755	3.677151	92
4756	3.677242	91
4757	3.677333	91
4758	3.677424	91
4759	3.677516	92
4760	3.677607	91
4761	3.677698	91
4762	3.677789	91
4763	3.677881	92
4764	3.677972	91
4765	3.678063	91
4766	3.678154	91
4767	3.678245	91
4768	3.678336	91
4769	3.678427	91
4770	3.678518	91
4771	3.678609	91
4772	3.678700	91
4773	3.678791	91
4774	3.678882	91
4775	3.678973	91
4776	3.679064	91
4777	3.679155	91
4778	3.679246	91
4779	3.679337	91
4780	3.679428	91
4781	3.679519	91
4782	3.679610	90
4783	3.679700	91
4784	3.679791	91
4785	3.679882	91
4786	3.679973	90
4787	3.680063	91
4788	3.680154	91
4789	3.680245	91
4790	3.680336	90
4791	3.680426	91
4792	3.680517	90
4793	3.680607	91
4794	3.680698	91
4795	3.680789	90
4796	3.680879	91
4797	3.680970	90
4798	3.681060	91
4799	3.681151	90
4800	3.681241	

Nomb.	1. 20′ 0″ Logarith.	Dif.
4800	3.681241	
4801	3.681332	91
4802	3.681422	90
4803	3.681513	91
4804	3.681603	90
4805	3.681693	90
4806	3.681784	91
4807	3.681874	90
4808	3.681964	90
4809	3.682055	91
4810	3.682145	90
4811	3.682235	90
4812	3.682326	91
4813	3.682416	90
4814	3.682506	90
4815	3.682596	90
4816	3.682686	90
4817	3.682777	91
4818	3.682867	90
4819	3.682957	90
4820	3.683047	90
4821	3.683137	90
4822	3.683227	90
4823	3.683317	90
4824	3.683407	90
4825	3.683497	90
4826	3.683587	90
4827	3.683677	90
4828	3.683767	90
4829	3.683857	90
4830	3.683947	90
4831	3.684037	90
4832	3.684127	90
4833	3.684217	90
4834	3.684307	89
4835	3.684396	90
4836	3.684486	90
4837	3.684576	90
4838	3.684666	90
4839	3.684756	89
4840	3.684845	90
4841	3.684935	90
4842	3.685025	89
4843	3.685114	90
4844	3.685204	90
4845	3.685294	89
4846	3.685383	90
4847	3.685473	90
4848	3.685563	89
4849	3.685652	90
4850	3.685742	

Nomb.	1. 20′ 50″ Logarith.	Dif.
4850	3.685742	
4851	3.685831	89
4852	3.685921	90
4853	3.686010	89
4854	3.686100	90
4855	3.686189	89
4856	3.686279	90
4857	3.686368	89
4858	3.686458	90
4859	3.686547	89
4860	3.686636	89
4861	3.686726	90
4862	3.686815	89
4863	3.686904	89
4864	3.686994	90
4865	3.687083	89
4866	3.687172	89
4867	3.687261	89
4868	3.687351	90
4869	3.687440	89
4870	3.687529	89
4871	3.687618	89
4872	3.687707	89
4873	3.687796	89
4874	3.687886	90
4875	3.687975	89
4876	3.688064	89
4877	3.688153	89
4878	3.688242	89
4879	3.688331	89
4880	3.688420	89
4881	3.688509	89
4882	3.688598	89
4883	3.688687	89
4884	3.688776	89
4885	3.688865	88
4886	3.688953	89
4887	3.689042	89
4888	3.689131	89
4889	3.689220	89
4890	3.689309	89
4891	3.689398	88
4892	3.689486	89
4893	3.689575	89
4894	3.689664	89
4895	3.689753	88
4896	3.689841	89
4897	3.689930	89
4898	3.690019	88
4899	3.690107	89
4900	3.690196	

Nomb.	1. 21′ 40″ Logarith.	Dif.
4900	3.690196	
4901	3.690285	89
4902	3.690373	88
4903	3.690462	89
4904	3.690550	88
4905	3.690639	89
4906	3.690728	89
4907	3.690816	88
4908	3.690905	89
4909	3.690993	88
4910	3.691081	88
4911	3.691170	89
4912	3.691258	88
4913	3.691347	89
4914	3.691435	88
4915	3.691524	89
4916	3.691612	88
4917	3.691700	88
4918	3.691789	89
4919	3.691877	88
4920	3.691965	88
4921	3.692053	88
4922	3.692142	89
4923	3.692230	88
4924	3.692318	88
4925	3.692406	88
4926	3.692494	88
4927	3.692583	89
4928	3.692671	88
4929	3.692759	88
4930	3.692847	88
4931	3.692935	88
4932	3.693023	88
4933	3.693111	88
4934	3.693199	88
4935	3.693287	88
4936	3.693375	88
4937	3.693463	88
4938	3.693551	88
4939	3.693639	88
4940	3.693727	88
4941	3.693815	88
4942	3.693903	88
4943	3.693991	87
4944	3.694078	88
4945	3.694166	88
4946	3.694254	88
4947	3.694342	88
4948	3.694430	87
4949	3.694517	88
4950	3.694605	

Nomb.	1. 22' 30" Logarith.	Dif.	Nomb.	1. 23' 20" Logarith.	Dif.	Nomb.	1. 24' 10" Logarith.	Dif.
4950	3.694605	88	5000	3.698970	87	5050	3.703291	86
4951	3.694693	88	5001	3.699057	87	5051	3.703377	86
4952	3.694781	87	5002	3.699144	87	5052	3.703463	86
4953	3.694868	88	5003	3.699231	86	5053	3.703549	86
4954	3.694956	88	5004	3.699317	87	5054	3.703635	86
4955	3.695044	87	5005	3.699404	87	5055	3.703721	86
4956	3.695131	88	5006	3.699491	87	5056	3.703807	86
4957	3.695219	88	5007	3.699578	86	5057	3.703893	86
4958	3.695307	87	5008	3.699664	87	5058	3.703979	86
4959	3.695394	88	5009	3.699751	87	5059	3.704065	86
4960	3.695482	87	5010	3.699838	86	5060	3.704151	85
4961	3.695569	88	5011	3.699924	87	5061	3.704236	86
4962	3.695657	87	5012	3.700011	87	5062	3.704322	86
4963	3.695744	88	5013	3.700098	86	5063	3.704408	86
4964	3.695832	87	5014	3.700184	87	5064	3.704494	85
4965	3.695919	88	5015	3.700271	87	5065	3.704579	86
4966	3.696007	87	5016	3.700358	86	5066	3.704665	86
4967	3.696094	88	5017	3.700444	87	5067	3.704751	86
4968	3.696182	87	5018	3.700531	86	5068	3.704837	85
4969	3.696269	87	5019	3.700617	87	5069	3.704922	86
4970	3.696356	88	5020	3.700704	86	5070	3.705008	86
4971	3.696444	87	5021	3.700790	87	5071	3.705094	85
4972	3.696531	87	5022	3.700877	86	5072	3.705179	86
4973	3.696618	88	5023	3.700963	87	5073	3.705265	85
4974	3.696706	87	5024	3.701050	86	5074	3.705350	86
4975	3.696793	87	5025	3.701136	86	5075	3.705436	86
4976	3.696880	88	5026	3.701222	87	5076	3.705522	85
4977	3.696968	87	5027	3.701309	86	5077	3.705607	86
4978	3.697055	87	5028	3.701395	87	5078	3.705693	85
4979	3.697142	87	5029	3.701482	86	5079	3.705778	86
4980	3.697229	88	5030	3.701568	86	5080	3.705864	85
4981	3.697317	87	5031	3.701654	87	5081	3.705949	86
4982	3.697404	87	5032	3.701741	86	5082	3.706035	85
4983	3.697491	87	5033	3.701827	86	5083	3.706120	86
4984	3.697578	87	5034	3.701913	86	5084	3.706206	85
4985	3.697665	87	5035	3.701999	87	5085	3.706291	85
4986	3.697752	87	5036	3.702086	86	5086	3.706376	86
4987	3.697839	87	5037	3.702172	86	5087	3.706462	85
4988	3.697926	88	5038	3.702258	86	5088	3.706547	85
4989	3.698014	87	5039	3.702344	87	5089	3.706632	86
4990	3.698101	87	5040	3.702431	86	5090	3.706718	85
4991	3.698188	87	5041	3.702517	86	5091	3.706803	85
4992	3.698275	87	5042	3.702603	86	5092	3.706888	86
4993	3.698362	87	5043	3.702689	86	5093	3.706974	85
4994	3.698449	86	5044	3.702775	86	5094	3.707059	85
4995	3.698535	87	5045	3.702861	86	5095	3.707144	85
4996	3.698622	87	5046	3.702947	86	5096	3.707229	86
4997	3.698709	87	5047	3.703033	86	5097	3.707315	85
4998	3.698796	87	5048	3.703119	86	5098	3.707400	85
4999	3.698883	87	5049	3.703205	86	5099	3.707485	85
5000	3.698970		5050	3.703291		5100	3.707570	

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Nomb.	1. 25′ 0″ Logarith.	Dif.
5100	3.707570	85
5101	3.707655	85
5102	3.707740	86
5103	3.707826	85
5104	3.707911	85
5105	3.707996	85
5106	3.708081	85
5107	3.708166	85
5108	3.708251	85
5109	3.708336	85
5110	3.708421	85
5111	3.708506	85
5112	3.708591	85
5113	3.708676	85
5114	3.708761	85
5115	3.708846	85
5116	3.708931	84
5117	3.709015	85
5118	3.709100	85
5119	3.709185	85
5120	3.709270	85
5121	3.709355	85
5122	3.709440	84
5123	3.709524	85
5124	3.709609	85
5125	3.709694	85
5126	3.709779	84
5127	3.709863	85
5128	3.709948	85
5129	3.710033	84
5130	3.710117	85
5131	3.710202	85
5132	3.710287	84
5133	3.710371	85
5134	3.710456	84
5135	3.710540	85
5136	3.710625	85
5137	3.710710	84
5138	3.710794	85
5139	3.710879	84
5140	3.710963	85
5141	3.711048	84
5142	3.711132	85
5143	3.711217	84
5144	3.711301	84
5145	3.711385	85
5146	3.711470	84
5147	3.711554	85
5148	3.711639	84
5149	3.711723	84
5150	3.711807	

Nomb.	1. 25′ 50″ Logarith.	Dif.
5150	3.711807	85
5151	3.711892	84
5152	3.711976	84
5153	3.712060	84
5154	3.712144	85
5155	3.712229	84
5156	3.712313	84
5157	3.712397	84
5158	3.712481	85
5159	3.712566	84
5160	3.712650	84
5161	3.712734	84
5162	3.712818	84
5163	3.712902	84
5164	3.712986	84
5165	3.713070	84
5166	3.713154	84
5167	3.713238	85
5168	3.713323	84
5169	3.713407	84
5170	3.713491	84
5171	3.713575	84
5172	3.713659	83
5173	3.713742	84
5174	3.713826	84
5175	3.713910	84
5176	3.713994	84
5177	3.714078	84
5178	3.714162	84
5179	3.714246	84
5180	3.714330	84
5181	3.714414	83
5182	3.714497	84
5183	3.714581	84
5184	3.714665	84
5185	3.714749	84
5186	3.714833	83
5187	3.714916	84
5188	3.715000	84
5189	3.715084	83
5190	3.715167	84
5191	3.715251	84
5192	3.715335	83
5193	3.715418	84
5194	3.715502	84
5195	3.715586	83
5196	3.715669	84
5197	3.715753	83
5198	3.715836	84
5199	3.715920	83
5200	3.716003	

Nomb.	1. 26′ 40″ Logarith.	Dif.
5200	3.716003	84
5201	3.716087	83
5202	3.716170	84
5203	3.716254	83
5204	3.716337	84
5205	3.716421	83
5206	3.716504	84
5207	3.716588	83
5208	3.716671	83
5209	3.716754	84
5210	3.716838	83
5211	3.716921	83
5212	3.717004	84
5213	3.717088	83
5214	3.717171	83
5215	3.717254	84
5216	3.717338	83
5217	3.717421	83
5218	3.717504	83
5219	3.717587	84
5220	3.717671	83
5221	3.717754	83
5222	3.717837	83
5223	3.717920	83
5224	3.718003	83
5225	3.718086	83
5226	3.718169	84
5227	3.718253	83
5228	3.718336	83
5229	3.718419	83
5230	3.718502	83
5231	3.718585	83
5232	3.718668	83
5233	3.718751	83
5234	3.718834	83
5235	3.718917	83
5236	3.719000	83
5237	3.719083	82
5238	3.719165	83
5239	3.719248	83
5240	3.719331	83
5241	3.719414	83
5242	3.719497	83
5243	3.719580	83
5244	3.719663	82
5245	3.719745	83
5246	3.719828	83
5247	3.719911	83
5248	3.719994	83
5249	3.720077	82
5250	3.720159	

Nomb.	1. 27' 30" Logarith.	Dif.
5250	3.720159	
5251	3.720242	83
5252	3.720325	83
5253	3.720407	82
5254	3.720490	83
5255	3.720573	83
5256	3.720655	82
5257	3.720738	83
5258	3.720821	83
5259	3.720903	82
5260	3.720986	83
5261	3.721068	82
5262	3.721151	83
5263	3.721233	82
5264	3.721316	83
5265	3.721398	82
5266	3.721481	83
5267	3.721563	82
5268	3.721646	83
5269	3.721728	82
5270	3.721811	83
5271	3.721893	82
5272	3.721975	82
5273	3.722058	83
5274	3.722140	82
5275	3.722222	82
5276	3.722305	83
5277	3.722387	82
5278	3.722469	82
5279	3.722552	83
5280	3.722634	82
5281	3.722716	82
5282	3.722798	82
5283	3.722881	83
5284	3.722963	82
5285	3.723045	82
5286	3.723127	82
5287	3.723209	82
5288	3.723291	82
5289	3.723374	83
5290	3.723456	82
5291	3.723538	82
5292	3.723620	82
5293	3.723702	82
5294	3.723784	82
5295	3.723866	82
5296	3.723948	82
5297	3.724030	82
5298	3.724112	82
5299	3.724194	82
5300	3.724276	

Nomb.	1. 28' 20" Logarith.	Dif.
5300	3.724276	
5301	3.724358	82
5302	3.724440	82
5303	3.724522	82
5304	3.724604	82
5305	3.724685	81
5306	3.724767	82
5307	3.724849	82
5308	3.724931	82
5309	3.725013	82
5310	3.725095	82
5311	3.725176	81
5312	3.725258	82
5313	3.725340	82
5314	3.725422	82
5315	3.725503	81
5316	3.725585	82
5317	3.725667	82
5318	3.725748	81
5319	3.725830	82
5320	3.725912	82
5321	3.725993	81
5322	3.726075	82
5323	3.726156	81
5324	3.726238	82
5325	3.726320	82
5326	3.726401	81
5327	3.726483	82
5328	3.726564	81
5329	3.726646	82
5330	3.726727	81
5331	3.726809	82
5332	3.726890	81
5333	3.726972	82
5334	3.727053	81
5335	3.727134	81
5336	3.727216	82
5337	3.727297	81
5338	3.727379	82
5339	3.727460	81
5340	3.727541	81
5341	3.727623	82
5342	3.727704	81
5343	3.727785	81
5344	3.727866	81
5345	3.727948	82
5346	3.728029	81
5347	3.728110	81
5348	3.728191	81
5349	3.728273	82
5350	3.728354	81

Nomb.	1. 29' 10" Logarith.	Dif.
5350	3.728354	
5351	3.728435	81
5352	3.728516	81
5353	3.728597	81
5354	3.728678	81
5355	3.728759	81
5356	3.728841	82
5357	3.728922	81
5358	3.729003	81
5359	3.729084	81
5360	3.729165	81
5361	3.729246	81
5362	3.729327	81
5363	3.729408	81
5364	3.729489	81
5365	3.729570	81
5366	3.729651	81
5367	3.729732	81
5368	3.729813	80
5369	3.729893	81
5370	3.729974	81
5371	3.730055	81
5372	3.730136	81
5373	3.730217	81
5374	3.730298	80
5375	3.730378	81
5376	3.730459	81
5377	3.730540	81
5378	3.730621	81
5379	3.730702	80
5380	3.730782	81
5381	3.730863	81
5382	3.730944	80
5383	3.731024	81
5384	3.731105	81
5385	3.731186	80
5386	3.731266	81
5387	3.731347	81
5388	3.731428	80
5389	3.731508	81
5390	3.731589	80
5391	3.731669	81
5392	3.731750	80
5393	3.731830	81
5394	3.731911	80
5395	3.731991	81
5396	3.732072	80
5397	3.732152	81
5398	3.732233	80
5399	3.732313	81
5400	3.732394	

Nomb.	1. 30′ 0″ Logarith.	Dif.
5400	3.732394	80
5401	3.732474	81
5402	3.732555	80
5403	3.732635	80
5404	3.732715	81
5405	3.732796	80
5406	3.732876	80
5407	3.732956	81
5408	3.733037	80
5409	3.733117	80
5410	3.733197	81
5411	3.733278	80
5412	3.733358	80
5413	3.733438	80
5414	3.733518	80
5415	3.733598	81
5416	3.733679	80
5417	3.733759	80
5418	3.733839	80
5419	3.733919	80
5420	3.733999	80
5421	3.734079	81
5422	3.734160	80
5423	3.734240	80
5424	3.734320	80
5425	3.734400	80
5426	3.734480	80
5427	3.734560	80
5428	3.734640	80
5429	3.734720	80
5430	3.734800	80
5431	3.734880	80
5432	3.734960	80
5433	3.735040	80
5434	3.735120	80
5435	3.735200	79
5436	3.735279	80
5437	3.735359	80
5438	3.735439	80
5439	3.735519	80
5440	3.735599	80
5441	3.735679	80
5442	3.735759	79
5443	3.735838	80
5444	3.735918	80
5445	3.735998	80
5446	3.736078	79
5447	3.736157	80
5448	3.736237	80
5449	3.736317	80
5450	3.736397	

Nomb.	1. 30′ 50″ Logarith.	Dif.
5450	3.736397	79
5451	3.736476	80
5452	3.736556	79
5453	3.736635	80
5454	3.736715	80
5455	3.736795	79
5456	3.736874	80
5457	3.736954	80
5458	3.737034	79
5459	3.737113	80
5460	3.737193	79
5461	3.737272	80
5462	3.737352	79
5463	3.737431	80
5464	3.737511	79
5465	3.737590	80
5466	3.737670	79
5467	3.737749	80
5468	3.737829	79
5469	3.737908	79
5470	3.737987	80
5471	3.738067	79
5472	3.738146	79
5473	3.738225	80
5474	3.738305	79
5475	3.738384	79
5476	3.738463	80
5477	3.738543	79
5478	3.738622	79
5479	3.738701	80
5480	3.738781	79
5481	3.738860	79
5482	3.738939	79
5483	3.739018	79
5484	3.739097	80
5485	3.739177	79
5486	3.739256	79
5487	3.739335	79
5488	3.739414	79
5489	3.739493	79
5490	3.739572	79
5491	3.739651	80
5492	3.739731	79
5493	3.739810	79
5494	3.739889	79
5495	3.739968	79
5496	3.740047	79
5497	3.740126	79
5498	3.740205	79
5499	3.740284	79
5500	3.740363	

Nomb.	1. 31′ 40″ Logarith.	Dif.
5500	3.740363	79
5501	3.740442	79
5502	3.740521	79
5503	3.740600	78
5504	3.740678	79
5505	3.740757	79
5506	3.740836	79
5507	3.740915	79
5508	3.740994	79
5509	3.741073	79
5510	3.741152	78
5511	3.741230	79
5512	3.741309	79
5513	3.741388	79
5514	3.741467	79
5515	3.741546	78
5516	3.741624	79
5517	3.741703	79
5518	3.741782	78
5519	3.741860	79
5520	3.741939	79
5521	3.742018	78
5522	3.742096	79
5523	3.742175	79
5524	3.742254	78
5525	3.742332	79
5526	3.742411	78
5527	3.742489	79
5528	3.742568	79
5529	3.742647	78
5530	3.742725	79
5531	3.742804	78
5532	3.742882	79
5533	3.742961	78
5534	3.743039	79
5535	3.743118	78
5536	3.743196	79
5537	3.743275	78
5538	3.743353	78
5539	3.743431	79
5540	3.743510	78
5541	3.743588	79
5542	3.743667	78
5543	3.743745	78
5544	3.743823	79
5545	3.743902	78
5546	3.743980	78
5547	3.744058	78
5548	3.744136	79
5549	3.744215	78
5550	3.744293	

Nomb.	1. 32' 30" Logarith.	Dif.
5550	3.744293	
5551	3.744371	78
5552	3.744449	78
5553	3.744528	79
5554	3.744606	78
5555	3.744684	78
5556	3.744762	78
5557	3.744840	78
5558	3.744919	79
5559	3.744997	78
5560	3.745075	78
5561	3.745153	78
5562	3.745231	78
5563	3.745309	78
5564	3.745387	78
5565	3.745465	78
5566	3.745543	78
5567	3.745621	78
5568	3.745699	78
5569	3.745777	78
5570	3.745855	78
5571	3.745933	78
5572	3.746011	78
5573	3.746089	78
5574	3.746167	78
5575	3.746245	78
5576	3.746323	78
5577	3.746401	78
5578	3.746478	77
5579	3.746556	78
5580	3.746634	78
5581	3.746712	78
5582	3.746790	78
5583	3.746868	78
5584	3.746945	77
5585	3.747023	78
5586	3.747101	78
5587	3.747179	78
5588	3.747256	77
5589	3.747334	78
5590	3.747412	78
5591	3.747489	77
5592	3.747567	78
5593	3.747645	78
5594	3.747722	77
5595	3.747800	78
5596	3.747878	78
5597	3.747955	77
5598	3.748033	78
5599	3.748110	77
5600	3.748188	78

Nomb.	1. 33' 20" Logarith.	Dif.
5600	3.748188	
5601	3.748266	78
5602	3.748343	77
5603	3.748421	78
5604	3.748498	77
5605	3.748576	78
5606	3.748653	77
5607	3.748731	78
5608	3.748808	77
5609	3.748885	77
5610	3.748963	78
5611	3.749040	77
5612	3.749118	78
5613	3.749195	77
5614	3.749272	77
5615	3.749350	78
5616	3.749427	77
5617	3.749504	77
5618	3.749582	78
5619	3.749659	77
5620	3.749736	77
5621	3.749814	78
5622	3.749891	77
5623	3.749968	77
5624	3.750045	77
5625	3.750123	78
5626	3.750200	77
5627	3.750277	77
5628	3.750354	77
5629	3.750431	77
5630	3.750508	77
5631	3.750586	78
5632	3.750663	77
5633	3.750740	77
5634	3.750817	77
5635	3.750894	77
5636	3.750971	77
5637	3.751048	77
5638	3.751125	77
5639	3.751202	77
5640	3.751279	77
5641	3.751356	77
5642	3.751433	77
5643	3.751510	77
5644	3.751587	77
5645	3.751664	77
5646	3.751741	77
5647	3.751818	77
5648	3.751895	77
5649	3.751972	77
5650	3.752048	76

Nomb.	1. 34' 10" Logarith.	Dif.
5650	3.752048	
5651	3.752125	77
5652	3.752202	77
5653	3.752279	77
5654	3.752356	77
5655	3.752433	77
5656	3.752509	76
5657	3.752586	77
5658	3.752663	77
5659	3.752740	77
5660	3.752816	76
5661	3.752893	77
5662	3.752970	77
5663	3.753047	77
5664	3.753123	76
5665	3.753200	77
5666	3.753277	77
5667	3.753353	76
5668	3.753430	77
5669	3.753506	76
5670	3.753583	77
5671	3.753660	77
5672	3.753736	76
5673	3.753813	77
5674	3.753889	76
5675	3.753966	77
5676	3.754042	76
5677	3.754119	77
5678	3.754195	76
5679	3.754272	77
5680	3.754348	76
5681	3.754425	77
5682	3.754501	76
5683	3.754578	77
5684	3.754654	76
5685	3.754730	76
5686	3.754807	77
5687	3.754883	76
5688	3.754960	77
5689	3.755036	76
5690	3.755112	76
5691	3.755189	77
5692	3.755265	76
5693	3.755341	76
5694	3.755417	76
5695	3.755494	77
5696	3.755570	76
5697	3.755646	76
5698	3.755722	76
5699	3.755799	77
5700	3.755875	76

Nomb.	1. 35' 0" Logarith.	Dif.
5700	3.755875	
5701	3.755951	76
5702	3.756027	76
5703	3.756103	76
5704	3.756180	77
5705	3.756256	76
5706	3.756332	76
5707	3.756408	76
5708	3.756484	76
5709	3.756560	76
5710	3.756636	76
5711	3.756712	76
5712	3.756788	76
5713	3.756864	76
5714	3.756940	76
5715	3.757016	76
5716	3.757092	76
5717	3.757168	76
5718	3.757244	76
5719	3.757320	76
5720	3.757396	76
5721	3.757472	76
5722	3.757548	76
5723	3.757624	76
5724	3.757700	75
5725	3.757775	76
5726	3.757851	76
5727	3.757927	76
5728	3.758003	76
5729	3.758079	76
5730	3.758155	75
5731	3.758230	76
5732	3.758306	76
5733	3.758382	76
5734	3.758458	75
5735	3.758533	76
5736	3.758609	76
5737	3.758685	76
5738	3.758761	75
5739	3.758836	76
5740	3.758912	76
5741	3.758988	75
5742	3.759063	76
5743	3.759139	75
5744	3.759214	76
5745	3.759290	76
5746	3.759366	75
5747	3.759441	76
5748	3.759517	75
5749	3.759592	76
5750	3.759668	

Nomb.	1. 35' 50" Logarith.	Dif.
5750	3.759668	
5751	3.759743	75
5752	3.759819	76
5753	3.759894	75
5754	3.759970	76
5755	3.760045	75
5756	3.760121	76
5757	3.760196	75
5758	3.760272	76
5759	3.760347	75
5760	3.760422	75
5761	3.760498	76
5762	3.760573	75
5763	3.760649	76
5764	3.760724	75
5765	3.760799	75
5766	3.760875	76
5767	3.760950	75
5768	3.761025	75
5769	3.761101	76
5770	3.761176	75
5771	3.761251	75
5772	3.761326	76
5773	3.761402	75
5774	3.761477	75
5775	3.761552	75
5776	3.761627	75
5777	3.761702	76
5778	3.761778	75
5779	3.761853	75
5780	3.761928	75
5781	3.762003	75
5782	3.762078	75
5783	3.762153	75
5784	3.762228	75
5785	3.762303	75
5786	3.762378	75
5787	3.762453	76
5788	3.762529	75
5789	3.762604	75
5790	3.762679	75
5791	3.762754	75
5792	3.762829	75
5793	3.762904	74
5794	3.762978	75
5795	3.763053	75
5796	3.763128	75
5797	3.763203	75
5798	3.763278	75
5799	3.763353	75
5800	3.763428	

Nomb.	1. 36' 40" Logarith.	Dif.
5800	3.763428	
5801	3.763503	75
5802	3.763578	75
5803	3.763653	75
5804	3.763727	74
5805	3.763802	75
5806	3.763877	75
5807	3.763952	75
5808	3.764027	75
5809	3.764101	74
5810	3.764176	75
5811	3.764251	75
5812	3.764326	75
5813	3.764400	74
5814	3.764475	75
5815	3.764550	75
5816	3.764624	74
5817	3.764699	75
5818	3.764774	75
5819	3.764848	74
5820	3.764923	75
5821	3.764998	75
5822	3.765072	74
5823	3.765147	75
5824	3.765221	74
5825	3.765296	75
5826	3.765370	74
5827	3.765445	75
5828	3.765520	75
5829	3.765594	74
5830	3.765669	75
5831	3.765743	74
5832	3.765818	75
5833	3.765892	74
5834	3.765966	74
5835	3.766041	75
5836	3.766115	74
5837	3.766190	75
5838	3.766264	74
5839	3.766338	74
5840	3.766413	75
5841	3.766487	74
5842	3.766562	75
5843	3.766636	74
5844	3.766710	74
5845	3.766785	75
5846	3.766859	74
5847	3.766933	74
5848	3.767007	74
5849	3.767082	75
5850	3.767156	74

Nomb.	1. 37' 30" Logarith.	Dif.
5850	3.767156	
5851	3.767230	74
5852	3.767304	74
5853	3.767379	75
5854	3.767453	74
5855	3.767527	74
5856	3.767601	74
5857	3.767675	74
5858	3.767749	74
5859	3.767823	74
5860	3.767898	75
5861	3.767972	74
5862	3.768046	74
5863	3.768120	74
5864	3.768194	74
5865	3.768268	74
5866	3.768342	74
5867	3.768416	74
5868	3.768490	74
5869	3.768564	74
5870	3.768638	74
5871	3.768712	74
5872	3.768786	74
5873	3.768860	74
5874	3.768934	74
5875	3.769008	74
5876	3.769082	74
5877	3.769156	74
5878	3.769230	74
5879	3.769303	73
5880	3.769377	74
5881	3.769451	74
5882	3.769525	74
5883	3.769599	74
5884	3.769673	74
5885	3.769746	73
5886	3.769820	74
5887	3.769894	74
5888	3.769968	74
5889	3.770042	74
5890	3.770115	73
5891	3.770189	74
5892	3.770263	74
5893	3.770336	73
5894	3.770410	74
5895	3.770484	74
5896	3.770557	73
5897	3.770631	74
5898	3.770705	74
5899	3.770778	73
5900	3.770852	74

Nomb.	1. 38' 20" Logarith.	Dif.
5900	3.770852	
5901	3.770926	74
5902	3.770999	73
5903	3.771073	74
5904	3.771146	73
5905	3.771220	74
5906	3.771293	73
5907	3.771367	74
5908	3.771440	73
5909	3.771514	74
5910	3.771587	73
5911	3.771661	74
5912	3.771734	73
5913	3.771808	74
5914	3.771881	73
5915	3.771955	74
5916	3.772028	73
5917	3.772102	74
5918	3.772175	73
5919	3.772248	73
5920	3.772322	74
5921	3.772395	73
5922	3.772468	73
5923	3.772542	74
5924	3.772615	73
5925	3.772688	73
5926	3.772762	74
5927	3.772835	73
5928	3.772908	73
5929	3.772981	73
5930	3.773055	74
5931	3.773128	73
5932	3.773201	73
5933	3.773274	73
5934	3.773348	74
5935	3.773421	73
5936	3.773494	73
5937	3.773567	73
5938	3.773640	73
5939	3.773713	73
5940	3.773786	73
5941	3.773860	74
5942	3.773933	73
5943	3.774006	73
5944	3.774079	73
5945	3.774152	73
5946	3.774225	73
5947	3.774298	73
5948	3.774371	73
5949	3.774444	73
5950	3.774517	73

Nomb.	1. 39' 10" Logarith.	Dif.
5950	3.774517	
5951	3.774590	73
5952	3.774663	73
5953	3.774736	73
5954	3.774809	73
5955	3.774882	73
5956	3.774955	73
5957	3.775028	73
5958	3.775100	72
5959	3.775173	73
5960	3.775246	73
5961	3.775319	73
5962	3.775392	73
5963	3.775465	73
5964	3.775538	73
5965	3.775610	72
5966	3.775683	73
5967	3.775756	73
5968	3.775829	73
5969	3.775902	73
5970	3.775974	72
5971	3.776047	73
5972	3.776120	73
5973	3.776193	73
5974	3.776265	72
5975	3.776338	73
5976	3.776411	73
5977	3.776483	72
5978	3.776556	73
5979	3.776629	73
5980	3.776701	72
5981	3.776774	73
5982	3.776846	72
5983	3.776919	73
5984	3.776992	73
5985	3.777064	72
5986	3.777137	73
5987	3.777209	72
5988	3.777282	73
5989	3.777354	72
5990	3.777427	73
5991	3.777499	72
5992	3.777572	73
5993	3.777644	72
5994	3.777717	73
5995	3.777789	72
5996	3.777862	73
5997	3.777934	72
5998	3.778006	72
5999	3.778079	73
6000	3.778151	72

Numb.	1. 40′ 0″ Logarith.	Dif.
6000	3.778151	73
6001	3.778224	72
6002	3.778296	72
6003	3.778368	73
6004	3.778441	72
6005	3.778513	72
6006	3.778585	73
6007	3.778658	72
6008	3.778730	72
6009	3.778802	72
6010	3.778874	73
6011	3.778947	72
6012	3.779019	72
6013	3.779091	72
6014	3.779163	73
6015	3.779236	72
6016	3.779308	72
6017	3.779380	72
6018	3.779452	72
6019	3.779524	72
6020	3.779596	73
6021	3.779669	72
6022	3.779741	72
6023	3.779813	72
6024	3.779885	72
6025	3.779957	72
6026	3.780029	72
6027	3.780101	72
6028	3.780173	72
6029	3.780245	72
6030	3.780317	72
6031	3.780389	72
6032	3.780461	72
6033	3.780533	72
6034	3.780605	72
6035	3.780677	72
6036	3.780749	72
6037	3.780821	72
6038	3.780893	72
6039	3.780965	72
6040	3.781037	72
6041	3.781109	72
6042	3.781181	72
6043	3.781253	71
6044	3.781324	72
6045	3.781396	72
6046	3.781468	72
6047	3.781540	72
6048	3.781612	72
6049	3.781684	71
6050	3.781755	72
6051	3.781827	72
6052	3.781899	72
6053	3.781971	71
6054	3.782042	72
6055	3.782114	72
6056	3.782186	72
6057	3.782258	71
6058	3.782329	72
6059	3.782401	72
6060	3.782473	71
6061	3.782544	72
6062	3.782616	72
6063	3.782688	71
6064	3.782759	72
6065	3.782831	71
6066	3.782902	72
6067	3.782974	72
6068	3.783046	71
6069	3.783117	72
6070	3.783189	71
6071	3.783260	72
6072	3.783332	71
6073	3.783403	72
6074	3.783475	71
6075	3.783546	72
6076	3.783618	71
6077	3.783689	72
6078	3.783761	71
6079	3.783832	72
6080	3.783904	71
6081	3.783975	71
6082	3.784046	72
6083	3.784118	71
6084	3.784189	72
6085	3.784261	71
6086	3.784332	71
6087	3.784403	72
6088	3.784475	71
6089	3.784546	71
6090	3.784617	72
6091	3.784689	71
6092	3.784760	71
6093	3.784831	71
6094	3.784902	72
6095	3.784974	71
6096	3.785045	71
6097	3.785116	71
6098	3.785187	72
6099	3.785259	71
6100	3.785330	71
6101	3.785401	71
6102	3.785472	71
6103	3.785543	72
6104	3.785615	71
6105	3.785686	71
6106	3.785757	71
6107	3.785828	71
6108	3.785899	71
6109	3.785970	71
6110	3.786041	71
6111	3.786112	71
6112	3.786183	71
6113	3.786254	71
6114	3.786325	71
6115	3.786396	71
6116	3.786467	71
6117	3.786538	71
6118	3.786609	71
6119	3.786680	71
6120	3.786751	71
6121	3.786822	71
6122	3.786893	71
6123	3.786964	71
6124	3.787035	71
6125	3.787106	71
6126	3.787177	71
6127	3.787248	71
6128	3.787319	71
6129	3.787390	70
6130	3.787460	71
6131	3.787531	71
6132	3.787602	71
6133	3.787673	71
6134	3.787744	71
6135	3.787815	70
6136	3.787885	71
6137	3.787956	71
6138	3.788027	71
6139	3.788098	70
6140	3.788168	71
6141	3.788239	71
6142	3.788310	71
6143	3.788381	70
6144	3.788451	71
6145	3.788522	71
6146	3.788593	70
6147	3.788663	71
6148	3.788734	70
6149	3.788804	71
6150	3.788875	

Nomb.	I. 42′ 30″ Logarith.	Dif.	Nomb.	I. 43′ 20″ Logarith.	Dif.	Nomb.	I. 44′ 10″ Logarith.	Dif.
6150	3.788875		6200	3.792392		6250	3.795880	
6151	3.788946	71	6201	3.792462	70	6251	3.795949	69
6152	3.789016	70	6202	3.792532	70	6252	3.796019	70
6153	3.789087	71	6203	3.792602	70	6253	3.796088	69
6154	3.789157	70	6204	3.792672	70	6254	3.796158	70
6155	3.789228	71	6205	3.792742	70	6255	3.796227	69
6156	3.789299	71	6206	3.792812	70	6256	3.796297	70
6157	3.789369	70	6207	3.792882	70	6257	3.796366	69
6158	3.789440	71	6208	3.792952	70	6258	3.796436	70
6159	3.789510	70	6209	3.793022	70	6259	3.796505	69
6160	3.789581	71	6210	3.793092	70	6260	3.796574	69
6161	3.789651	70	6211	3.793162	70	6261	3.796644	70
6162	3.789722	71	6212	3.793231	69	6262	3.796713	69
6163	3.789792	70	6213	3.793301	70	6263	3.796782	69
6164	3.789863	71	6214	3.793371	70	6264	3.796852	70
6165	3.789933	70	6215	3.793441	70	6265	3.796921	69
6166	3.790004	71	6216	3.793511	70	6266	3.796990	69
6167	3.790074	70	6217	3.793581	70	6267	3.797060	70
6168	3.790144	70	6218	3.793651	70	6268	3.797129	69
6169	3.790215	71	6219	3.793721	70	6269	3.797198	69
6170	3.790285	70	6220	3.793790	69	6270	3.797268	70
6171	3.790356	71	6221	3.793860	70	6271	3.797337	69
6172	3.790426	70	6222	3.793930	70	6272	3.797406	69
6173	3.790496	70	6223	3.794000	70	6273	3.797475	69
6174	3.790567	71	6224	3.794070	70	6274	3.797545	70
6175	3.790637	70	6225	3.794139	69	6275	3.797614	69
6176	3.790707	70	6226	3.794209	70	6276	3.797683	69
6177	3.790778	71	6227	3.794279	70	6277	3.797752	69
6178	3.790848	70	6228	3.794349	70	6278	3.797821	69
6179	3.790918	70	6229	3.794418	69	6279	3.797890	69
6180	3.790988	70	6230	3.794488	70	6280	3.797960	70
6181	3.791059	71	6231	3.794558	70	6281	3.798029	69
6182	3.791129	70	6232	3.794627	69	6282	3.798098	69
6183	3.791199	70	6233	3.794697	70	6283	3.798167	69
6184	3.791269	70	6234	3.794767	70	6284	3.798236	69
6185	3.791340	71	6235	3.794836	69	6285	3.798305	69
6186	3.791410	70	6236	3.794906	70	6286	3.798374	69
6187	3.791480	70	6237	3.794976	70	6287	3.798443	69
6188	3.791550	70	6238	3.795045	69	6288	3.798513	70
6189	3.791620	70	6239	3.795115	70	6289	3.798582	69
6190	3.791691	71	6240	3.795185	70	6290	3.798651	69
6191	3.791761	70	6241	3.795254	69	6291	3.798720	69
6192	3.791831	70	6242	3.795324	70	6292	3.798789	69
6193	3.791901	70	6243	3.795393	69	6293	3.798858	69
6194	3.791971	70	6244	3.795463	70	6294	3.798927	69
6195	3.792041	70	6245	3.795532	69	6295	3.798996	69
6196	3.792111	70	6246	3.795602	70	6296	3.799065	69
6197	3.792181	70	6247	3.765672	70	6297	3.799134	69
6198	3.792252	71	6248	3.795741	69	6298	3.799203	69
6199	3.792322	70	6249	3.795811	70	6299	3.799272	69
6200	3.792392	70	6250	3.795880	69	6300	3.799341	

Nomb.	1. 45' 0" Logarith.	Dif.
6300	3.799341	68
6301	3.799409	69
6302	3.799478	69
6303	3.799547	69
6304	3.799616	69
6305	3.799685	69
6306	3.799754	69
6307	3.799823	69
6308	3.799892	69
6309	3.799961	68
6310	3.800029	69
6311	3.800098	69
6312	3.800167	69
6313	3.800236	69
6314	3.800305	68
6315	3.800373	69
6316	3.800442	69
6317	3.800511	69
6318	3.800580	68
6319	3.800648	69
6320	3.800717	69
6321	3.800786	68
6322	3.800854	69
6323	3.800923	69
6324	3.800992	69
6325	3.801061	68
6326	3.801129	69
6327	3.801198	68
6328	3.801266	69
6329	3.801335	69
6330	3.801404	68
6331	3.801472	69
6332	3.801541	68
6333	3.801609	69
6334	3.801678	69
6335	3.801747	68
6336	3.801815	69
6337	3.801884	68
6338	3.801952	69
6339	3.802021	68
6340	3.802089	69
6341	3.802158	68
6342	3.802226	69
6343	3.802295	68
6344	3.802363	69
6345	3.802432	68
6346	3.802500	68
6347	3.802568	69
6348	3.802637	68
6349	3.802705	69
6350	3.802774	

Nomb.	1. 45' 50" Logarith.	Dif.
6350	3.802774	68
6351	3.802842	68
6352	3.802910	69
6353	3.802979	68
6354	3.803047	69
6355	3.803116	68
6356	3.803184	68
6357	3.803252	69
6358	3.803321	68
6359	3.803389	68
6360	3.803457	68
6361	3.803525	69
6362	3.803594	68
6363	3.803662	68
6364	3.803730	68
6365	3.803798	69
6366	3.803867	68
6367	3.803935	68
6368	3.804003	68
6369	3.804071	68
6370	3.804139	69
6371	3.804208	68
6372	3.804276	68
6373	3.804344	68
6374	3.804412	68
6375	3.804480	68
6376	3.804548	68
6377	3.804616	69
6378	3.804685	68
6379	3.804753	68
6380	3.804821	68
6381	3.804889	68
6382	3.804957	68
6383	3.805025	68
6384	3.805093	68
6385	3.805161	68
6386	3.805229	68
6387	3.805297	68
6388	3.805365	68
6389	3.805433	68
6390	3.805501	68
6391	3.805569	68
6392	3.805637	68
6393	3.805705	68
6394	3.805773	68
6395	3.805841	67
6396	3.805908	68
6397	3.805976	68
6398	3.806044	68
6399	3.806112	68
6400	3.806180	

Nomb.	1. 46' 40" Logarith.	Dif.
6400	3.806180	68
6401	3.806248	68
6402	3.806316	68
6403	3.806384	67
6404	3.806451	68
6405	3.806519	68
6406	3.806587	68
6407	3.806655	68
6408	3.806723	67
6409	3.806790	68
6410	3.806858	68
6411	3.806926	68
6412	3.806994	67
6413	3.807061	68
6414	3.807129	68
6415	3.807197	67
6416	3.807264	68
6417	3.807332	68
6418	3.807400	67
6419	3.807467	68
6420	3.807535	68
6421	3.807603	67
6422	3.807670	68
6423	3.807738	68
6424	3.807806	67
6425	3.807873	68
6426	3.807941	67
6427	3.808008	68
6428	3.808076	67
6429	3.808143	68
6430	3.808211	68
6431	3.808279	67
6432	3.808346	68
6433	3.808414	67
6434	3.808481	68
6435	3.808549	67
6436	3.808616	68
6437	3.808684	67
6438	3.808751	67
6439	3.808818	68
6440	3.808886	67
6441	3.808953	68
6442	3.809021	67
6443	3.809088	68
6444	3.809156	67
6445	3.809223	67
6446	3.809290	68
6447	3.809358	67
6448	3.809425	67
6449	3.809492	68
6450	3.809560	

Nomb.	1. 47' 30" Logarith.	Dif.
6450	3.809560	
6451	3.809627	67
6452	3.809694	67
6453	3.809762	68
6454	3.809829	67
6455	3.809896	67
6456	3.809964	68
6457	3.810031	67
6458	3.810098	67
6459	3.810165	67
6460	3.810233	68
6461	3.810300	67
6462	3.810367	67
6463	3.810434	67
6464	3.810501	67
6465	3.810569	68
6466	3.810636	67
6467	3.810703	67
6468	3.810770	67
6469	3.810837	67
6470	3.810904	67
6471	3.810971	67
6472	3.811039	68
6473	3.811106	67
6474	3.811173	67
6475	3.811240	67
6476	3.811307	67
6477	3.811374	67
6478	3.811441	67
6479	3.811508	67
6480	3.811575	67
6481	3.411642	67
6482	3.811709	67
6483	3.811776	67
6484	3.811843	67
6485	3.811910	67
6486	3.811977	67
6487	3.812044	67
6488	3.812111	67
6489	3.812178	67
6490	3.812245	67
6491	3.812312	67
6492	3.812379	67
6493	3.812445	66
6494	3.812512	67
6495	3.812579	67
6496	3.812646	67
6497	3.812713	67
6498	3.812780	67
6499	3.812847	67
6500	3.812913	66

Nomb.	1. 48' 20" Logarith.	Dif.
6500	3.812913	
6501	3.812980	67
6502	3.813047	67
6503	3.813114	67
6504	3.813181	67
6505	3.813247	66
6506	3.813314	67
6507	3.813381	67
6508	3.813448	67
6509	3.813514	66
6510	3.813581	67
6511	3.813648	67
6512	3.813714	66
6513	3.813781	67
6514	3.813848	67
6515	3.813914	66
6516	3.813981	67
6517	3.814048	67
6518	3.814114	66
6519	3.814181	67
6520	3.814248	67
6521	3.814314	66
6522	3.814381	67
6523	3.814447	66
6524	3.814514	67
6525	3.814581	67
6526	3.814647	66
6527	3.814714	67
6528	3.814780	66
6529	3.814847	67
6530	3.814913	66
6531	3.814980	67
6532	3.815046	66
6533	3.815113	67
6534	3.815179	66
6535	3.815246	67
6536	3.815312	66
6537	3.815378	66
6538	3.815445	67
6539	3.815511	66
6540	3.815578	67
6541	3.815644	66
6542	3.815711	67
6543	3.815777	66
6544	3.815843	66
6545	3.815910	67
6546	3.815976	66
6547	3.816042	66
6548	3.816109	67
6549	3.816175	66
6550	3.816241	66

Nomb.	1. 49' 10" Logarith.	Dif.
6550	3.816241	
6551	3.816308	67
6552	3.816374	66
6553	3.816440	66
6554	3.816506	66
6555	3.816573	67
6556	3.816639	66
6557	3.816705	66
6558	3.816771	66
6559	3.816838	67
6560	3.816904	66
6561	3.816970	66
6562	3.817036	66
6563	3.817102	66
6564	3.817169	67
6565	3.817235	66
6566	3.817301	66
6567	3.817367	66
6568	3.817433	66
6569	3.817499	66
6570	3.817565	66
6571	3.817631	66
6572	3.817698	67
6573	3.817764	66
6574	3.817830	66
6575	3.817896	66
6576	3.817962	66
6577	3.818028	66
6578	3.818094	66
6579	3.818160	66
6580	3.818226	66
6581	3.818292	66
6582	3.818358	66
6583	3.818424	66
6584	3.818490	66
6585	3.818556	66
6586	3.818622	66
6587	3.818688	66
6588	3.818754	66
6589	3.818820	65
6590	3.818885	66
6591	3.818951	66
6592	3.819017	66
6593	3.819083	66
6594	3.819149	66
6595	3.819215	66
6596	3.819281	65
6597	3.819346	66
6598	3.819412	66
6599	3.819478	66
6600	3.819544	

Nomb.	1. 50′ 0″ Logarith.	Dif.
6600	3.819544	
6601	3.819610	66
6602	3.819676	66
6603	3.819741	65
6604	3.819807	66
6605	3.819873	66
6606	3.819939	66
6607	3.820004	65
6608	3.820070	66
6609	3.820136	66
6610	3.820201	65
6611	3.820267	66
6612	3.820333	66
6613	3.820399	66
6614	3.820464	65
6615	3.820530	66
6616	3.820595	65
6617	3.820661	66
6618	3.820727	66
6619	3.820792	65
6620	3.820858	66
6621	3.820924	66
6622	3.820989	65
6623	3.821055	66
6624	3.821120	65
6625	3.821186	66
6626	3.821251	65
6627	3.821317	66
6628	3.821382	65
6629	3.821448	66
6630	3.821514	66
6631	3.821579	65
6632	3.821645	66
6633	3.821710	65
6634	3.821775	65
6635	3.821841	66
6636	3.821906	65
6637	3.821972	66
6638	3.822037	65
6639	3.822103	66
6640	3.822168	65
6641	3.822233	65
6642	3.822299	66
6643	3.822364	65
6644	3.822430	66
6645	3.822495	65
6646	3.822560	65
6647	3.822626	66
6648	3.822691	65
6649	3.822756	65
6650	3.822822	66

Nomb.	1. 50′ 50″ Logarith.	Dif.
6650	3.822822	
6651	3.822887	65
6652	3.822952	65
6653	3.823018	66
6654	3.823083	65
6655	3.823148	65
6656	3.823213	65
6657	3.823279	66
6658	3.823344	65
6659	3.823409	65
6660	3.823474	65
6661	3.823539	65
6662	3.823605	66
6663	3.823670	65
6664	3.823735	65
6665	3.823800	65
6666	3.823865	65
6667	3.823930	65
6668	3.823996	66
6669	3.824061	65
6670	3.824126	65
6671	3.824191	65
6672	3.824256	65
6673	3.824321	65
6674	3.824386	65
6675	3.824451	65
6676	3.824516	65
6677	3.824581	65
6678	3.824646	65
6679	3.824711	65
6680	3.824776	65
6681	3.824841	65
6682	3.824906	65
6683	3.824971	65
6684	3.825036	65
6685	3.825101	65
6686	3.825166	65
6687	3.825231	65
6688	3.825296	65
6689	3.825361	65
6690	3.825426	65
6691	3.825491	65
6692	3.825556	65
6693	3.825621	65
6694	3.825686	65
6695	3.825751	64
6696	3.825815	65
6697	3.825880	65
6698	3.825945	65
6699	3.826010	65
6700	3.826075	

Nomb.	1. 51′ 40″ Logarith.	Dif.
6700	3.826075	
6701	3.826140	65
6702	3.826204	64
6703	3.826269	65
6704	3.826334	65
6705	3.826399	65
6706	3.826464	65
6707	3.826528	64
6708	3.826593	65
6709	3.826658	65
6710	3.826723	65
6711	3.826787	64
6712	3.826852	65
6713	3.826917	65
6714	3.826981	64
6715	3.827046	65
6716	3.827111	65
6717	3.827175	64
6718	3.827240	65
6719	3.827305	65
6720	3.827369	64
6721	3.827434	65
6722	3.827499	65
6723	3.827563	64
6724	3.827628	65
6725	3.827692	64
6726	3.827757	65
6727	3.827821	64
6728	3.827886	65
6729	3.827951	65
6730	3.828015	64
6731	3.828080	65
6732	3.828144	64
6733	3.828209	65
6734	3.828273	64
6735	3.828338	65
6736	3.828402	64
6737	3.828467	65
6738	3.828531	64
6739	3.828595	64
6740	3.828660	65
6741	3.828724	64
6742	3.828789	65
6743	3.828853	64
6744	3.828918	65
6745	3.828982	64
6746	3.829046	64
6747	3.829111	65
6748	3.829175	64
6749	3.829239	64
6750	3.829304	65

Nomb.	1. 52′ 30″ Logarith.	Dif.
6750	3.829304	64
6751	3.829368	64
6752	3.829432	65
6753	3.829497	64
6754	3.829561	64
6755	3.829625	65
6756	3.829690	64
6757	3.829754	64
6758	3.829818	64
6759	3.829882	65
6760	3.829947	64
6761	3.830011	64
6762	3.830075	64
6763	3.830139	65
6764	3.830204	64
6765	3.830268	64
6766	3.830332	64
6767	3.830396	64
6768	3.830460	65
6769	3.830525	64
6770	3.830589	64
6771	3.830653	64
6772	3.830717	64
6773	3.830781	64
6774	3.830845	64
6775	3.830909	64
6776	3.830973	64
6777	3.831037	65
6778	3.831102	64
6779	3.831166	64
6780	3.831230	64
6781	3.831294	64
6782	3.831358	64
6783	3.831422	64
6784	3.831486	64
6785	3.831550	64
6786	3.831614	64
6787	3.831678	64
6788	3.831742	64
6789	3.831806	64
6790	3.831870	64
6791	3.831934	64
6792	3.831998	64
6793	3.832062	64
6794	3.832126	63
6795	3.832189	64
6796	3.832253	64
6797	3.832317	64
6798	3.832381	64
6799	3.832445	64
6800	3.832509	

Nomb.	1. 53′ 20″ Logarith.	Dif.
6800	3.832509	64
6801	3.832573	64
6802	3.832637	63
6803	3.832700	64
6804	3.832764	64
6805	3.832828	64
6806	3.832892	64
6807	3.832956	64
6808	3.833020	63
6809	3.833083	64
6810	3.833147	64
6811	3.833211	64
6812	3.833275	63
6813	3.833338	64
6814	3.833402	64
6815	3.833466	64
6816	3.833530	63
6817	3.833593	64
6818	3.833657	64
6819	3.833721	63
6820	3.833784	64
6821	3.833848	64
6822	3.833912	63
6823	3.833975	64
6824	3.834039	64
6825	3.834103	63
6826	3.834166	64
6827	3.834230	64
6828	3.834294	63
6829	3.834357	64
6830	3.834421	63
6831	3.834484	64
6832	3.834548	63
6833	3.834611	64
6834	3.834675	64
6835	3.834739	63
6836	3.834802	64
6837	3.834866	63
6838	3.834929	64
6839	3.834993	63
6840	3.835056	64
6841	3.835120	63
6842	3.835183	64
6843	3.835247	63
6844	3.835310	63
6845	3.835373	64
6846	3.835437	63
6847	3.835500	64
6848	3.835564	63
6849	3.835627	64
6850	3.835691	

Nomb.	1. 54′ 10″ Logarith.	Dif.
6850	3.835691	63
6851	3.835754	63
6852	3.835817	64
6853	3.835881	63
6854	3.835944	63
6855	3.836007	64
6856	3.836071	63
6857	3.836134	63
6858	3.836197	64
6859	3.836261	63
6860	3.836324	63
6861	3.836387	64
6862	3.836451	63
6863	3.836514	63
6864	3.836577	64
6865	3.836641	63
6866	3.836704	63
6867	3.836767	63
6868	3.836830	64
6869	3.836894	63
6870	3.836957	63
6871	3.837020	63
6872	3.837083	63
6873	3.837146	64
6874	3.837210	63
6875	3.837273	63
6876	3.837336	63
6877	3.837399	63
6878	3.837462	63
6879	3.837525	63
6880	3.837588	64
6881	3.837652	63
6882	3.837715	63
6883	3.837778	63
6884	3.837841	63
6885	3.837904	63
6886	3.837967	63
6887	3.838030	63
6888	3.838093	63
6889	3.838156	63
6890	3.838219	63
6891	3.838282	63
6892	3.838345	63
6893	3.838408	63
6894	3.838471	63
6895	3.838534	63
6896	3.838597	63
6897	3.838660	63
6898	3.838723	63
6899	3.838786	63
6900	3.838849	

Nomb.	1. 55′ 0″ Logarith.	Dif.
6900	3.838849	63
6901	3.838912	63
6902	3.838975	63
6903	3.839038	63
6904	3.839101	63
6905	3.839164	63
6906	3.839227	62
6907	3.839289	63
6908	3.839352	63
6909	3.839415	63
6910	3.839478	63
6911	3.839541	63
6912	3.839604	63
6913	3.839667	62
6914	3.839729	63
6915	3.839792	63
6916	3.839855	63
6917	3.839918	63
6918	3.839981	62
6919	3.840043	63
6920	3.840106	63
6921	3.840169	63
6922	3.840232	62
6923	3.840294	63
6924	3.840357	63
6925	3.840420	62
6926	3.840482	63
6927	3.840545	63
6928	3.840608	63
6929	3.840671	62
6930	3.840733	63
6931	3.840796	63
6932	3.840859	62
6933	3.840921	63
6934	3.840984	62
6935	3.841046	63
6936	3.841109	63
6937	3.841172	62
6938	3.841234	63
6939	3.841297	62
6940	3.841359	63
6941	3.841422	63
6942	3.841485	62
6943	3.841547	63
6944	3.841610	62
6945	3.841672	63
6946	3.841735	62
6947	3.841797	63
6948	3.841860	62
6949	3.841922	63
6950	3.841985	

Nomb.	1. 55′ 50″ Logarith.	Dif.
6950	3.841985	62
6951	3.842047	63
6952	3.842110	62
6953	3.842172	63
6954	3.842235	62
6955	3.842297	63
6956	3.842360	62
6957	3.842422	62
6958	3.842484	63
6959	3.842547	62
6960	3.842609	63
6961	3.842672	62
6962	3.842734	62
6963	3.842796	63
6964	3.842859	62
6965	3.842921	62
6966	3.842983	63
6967	3.843046	62
6968	3.843108	62
6969	3.843170	63
6970	3.843233	62
6971	3.843295	62
6972	3.843357	63
6973	3.843420	62
6974	3.843482	62
6975	3.843544	62
6976	3.843606	63
6977	3.843669	62
6978	3.843731	62
6979	3.843793	62
6980	3.843855	63
6981	3.843918	62
6982	3.843980	62
6983	3.844042	62
6984	3.844104	62
6985	3.844166	63
6986	3.844229	62
6987	3.844291	62
6988	3.844353	62
6989	3.844415	62
6990	3.844477	62
6991	3.844539	62
6992	3.844601	63
6993	3.844664	62
6994	3.844726	62
6995	3.844788	62
6996	3.844850	62
6997	3.844912	62
6998	3.844974	62
6999	3.845036	62
7000	3.845098	

Nomb.	1. 56′ 40″ Logarith.	Dif.
7000	3.845098	62
7001	3.845160	62
7002	3.845222	62
7003	3.845284	62
7004	3.845346	62
7005	3.845408	62
7006	3.845470	62
7007	3.845532	62
7008	3.845594	62
7009	3.845656	62
7010	3.845718	62
7011	3.845780	62
7012	3.845842	62
7013	3.845904	62
7014	3.845966	62
7015	3.846028	62
7016	3.846090	61
7017	3.846151	62
7018	3.846213	62
7019	3.846275	62
7020	3.846337	62
7021	3.846399	62
7022	3.846461	62
7023	3.846523	62
7024	3.846585	61
7025	3.846646	62
7026	3.846708	62
7027	3.846770	62
7028	3.846832	62
7029	3.846894	61
7030	3.846955	62
7031	3.847017	62
7032	3.847079	62
7033	3.847141	61
7034	3.847202	62
7035	3.847264	62
7036	3.847326	62
7037	3.847388	61
7038	3.847449	62
7039	3.847511	62
7040	3.847573	61
7041	3.847634	62
7042	3.847696	62
7043	3.847758	61
7044	3.847819	62
7045	3.847881	62
7046	3.847943	61
7047	3.848004	62
7048	3.848066	62
7049	3.848128	61
7050	3.848189	

Numb.	1. 57' 30" Logarith.	Dif.
7050	3.848189	62
7051	3.848251	61
7052	3.848312	62
7053	3.848374	61
7054	3.848435	62
7055	3.848497	62
7056	3.848559	61
7057	3.848620	62
7058	3.848682	61
7059	3.848743	62
7060	3.848805	61
7061	3.848866	62
7062	3.848928	61
7063	3.848989	62
7064	3.849051	61
7065	3.849112	62
7066	3.849174	61
7067	3.849235	62
7068	3.849297	61
7069	3.849358	61
7070	3.849419	62
7071	3.849481	61
7072	3.849542	62
7073	3.849604	61
7074	3.849665	61
7075	3.849726	62
7076	3.849788	61
7077	3.849849	62
7078	3.849911	61
7079	3.849972	61
7080	3.850033	62
7081	3.850095	61
7082	3.850156	61
7083	3.850217	62
7084	3.850279	61
7085	3.850340	61
7086	3.850401	61
7087	3.850462	62
7088	3.850524	61
7089	3.850585	61
7090	3.850646	61
7091	3.850707	62
7092	3.850769	61
7093	3.850830	61
7094	3.850891	61
7095	3.850952	62
7096	3.851014	61
7097	3.851075	61
7098	3.851136	61
7099	3.851197	61
7100	3.851258	

Numb.	1. 58' 20" Logarith.	Dif.
7100	3.851258	62
7101	3.851320	61
7102	3.851381	61
7103	3.851442	61
7104	3.851503	61
7105	3.851564	61
7106	3.851625	61
7107	3.851686	61
7108	3.851747	62
7109	3.851809	61
7110	3.851870	61
7111	3.851931	61
7112	3.851992	61
7113	3.852053	61
7114	3.852114	61
7115	3.852175	61
7116	3.852236	61
7117	3.852297	61
7118	3.852358	61
7119	3.852419	61
7120	3.852480	61
7121	3.852541	61
7122	3.852602	61
7123	3.852663	61
7124	3.852724	61
7125	3.852785	61
7126	3.852846	61
7127	3.852907	61
7128	3.852968	61
7129	3.853029	61
7130	3.853090	60
7131	3.853150	61
7132	3.853211	61
7133	3.853272	61
7134	3.853333	61
7135	3.853394	61
7136	3.853455	61
7137	3.853516	61
7138	3.853577	60
7139	3.853637	61
7140	3.853698	61
7141	3.853759	61
7142	3.853820	61
7143	3.853881	60
7144	3.853941	61
7145	3.854002	61
7146	3.854063	61
7147	3.854124	61
7148	3.854185	60
7149	3.854245	61
7150	3.854306	

Numb.	1. 59' 10" Logarith.	Dif.
7150	3.854306	61
7151	3.854367	61
7152	3.854428	60
7153	3.854488	61
7154	3.854549	61
7155	3.854610	60
7156	3.854670	61
7157	3.854731	61
7158	3.854792	60
7159	3.854852	61
7160	3.854913	61
7161	3.854974	60
7162	3.855034	61
7163	3.855095	61
7164	3.855156	60
7165	3.855216	61
7166	3.855277	60
7167	3.855337	61
7168	3.855398	61
7169	3.855459	60
7170	3.855519	61
7171	3.855580	60
7172	3.855640	61
7173	3.855701	60
7174	3.855761	61
7175	3.855822	60
7176	3.855882	61
7177	3.855943	60
7178	3.856003	61
7179	3.856064	60
7180	3.856124	61
7181	3.856185	60
7182	3.856245	61
7183	3.856306	60
7184	3.856366	61
7185	3.856427	60
7186	3.856487	61
7187	3.856548	60
7188	3.856608	60
7189	3.856668	61
7190	3.856729	60
7191	3.856789	61
7192	3.856850	60
7193	3.856910	60
7194	3.856970	61
7195	3.857031	60
7196	3.857091	61
7197	3.857152	60
7198	3.857212	60
7199	3.857272	60
7200	3.857332	

Nomb.	2. 0′ 0″ Logarith.	Dif.
7200	3.857332	
7201	3.857393	61
7202	3.857453	60
7203	3.857513	60
7204	3.857574	61
7205	3.857634	60
7206	3.857694	60
7207	3.857755	61
7208	3.857815	60
7209	3.857875	60
7210	3.857935	60
7211	3.857995	60
7212	3.858056	61
7213	3.858116	60
7214	3.858176	60
7215	3.858236	60
7216	3.858297	61
7217	3.858357	60
7218	3.858417	60
7219	3.858477	60
7220	3.858537	60
7221	3.858597	60
7222	3.858657	61
7223	3.858718	60
7224	3.858778	60
7225	3.858838	60
7226	3.858898	60
7227	3.858958	60
7228	3.859018	60
7229	3.859078	60
7230	3.859138	60
7231	3.859198	60
7232	3.859258	60
7233	3.859318	61
7234	3.859379	60
7235	3.859439	60
7236	3.859499	60
7237	3.859559	60
7238	3.859619	60
7239	3.859679	60
7240	3.859739	60
7241	3.859799	60
7242	3.859859	59
7243	3.859918	60
7244	3.859978	60
7245	3.860038	60
7246	3.860098	60
7247	3.860158	60
7248	3.860218	60
7249	3.860278	60
7250	3.860338	60

Nomb.	2. 0′ 50″ Logarith.	Dif.
7250	3.860338	
7251	3.860398	60
7252	3.860458	60
7253	3.860518	60
7254	3.860578	60
7255	3.860637	59
7256	3.860697	60
7257	3.860757	60
7258	3.860817	60
7259	3.860877	60
7260	3.860937	60
7261	3.860996	59
7262	3.861056	60
7263	3.861116	60
7264	3.861176	60
7265	3.861236	60
7266	3.861295	59
7267	3.861356	60
7268	3.861415	60
7269	3.861475	60
7270	3.861534	59
7271	3.861594	60
7272	3.861654	60
7273	3.861714	60
7274	3.861773	59
7275	3.861833	60
7276	3.861893	60
7277	3.861952	59
7278	3.862012	60
7279	3.862072	60
7280	3.862131	59
7281	3.862191	60
7282	3.862251	60
7283	3.862310	59
7284	3.862370	60
7285	3.862430	60
7286	3.862489	59
7287	3.862549	60
7288	3.862608	59
7289	3.862668	60
7290	3.862728	60
7291	3.862787	59
7292	3.862847	60
7293	3.862906	59
7294	3.862966	60
7295	3.863025	59
7296	3.863085	60
7297	3.863144	59
7298	3.863204	60
7299	3.863263	59
7300	3.863323	60

Nomb.	2. 1′ 40″ Logarith.	Dif.
7300	3.863323	
7301	3.863382	59
7302	3.863442	60
7303	3.863501	59
7304	3.863561	60
7305	3.863620	59
7306	3.863680	60
7307	3.863739	59
7308	3.863799	60
7309	3.863858	59
7310	3.863917	59
7311	3.863977	60
7312	3.864036	59
7313	3.864096	60
7314	3.864155	59
7315	3.864214	59
7316	3.864274	60
7317	3.864333	59
7318	3.864392	59
7319	3.864452	60
7320	3.864511	59
7321	3.864570	59
7322	3.864630	60
7323	3.864689	59
7324	3.864748	59
7325	3.864808	60
7326	3.864867	59
7327	3.864926	59
7328	3.864985	59
7329	3.865045	60
7330	3.865104	59
7331	3.865163	59
7332	3.865222	59
7333	3.865282	60
7334	3.865341	59
7335	3.865400	59
7336	3.865459	59
7337	3.865519	60
7338	3.865578	59
7339	3.865637	59
7340	3.865696	59
7341	3.865755	59
7342	3.865814	59
7343	3.865874	60
7344	3.865933	59
7345	3.865992	59
7346	3.866051	59
7347	3.866110	59
7348	3.866169	59
7349	3.866228	59
7350	3.866287	59

Nomb.	2. 2′ 30″ Logarith.	Dif.
7350	3.866287	
7351	3.866346	59
7352	3.866405	59
7353	3.866465	60
7354	3.866524	59
7355	3.866583	59
7356	3.866642	59
7357	3.866701	59
7358	3.866760	59
7359	3.866819	59
7360	3.866878	59
7361	3.866937	59
7362	3.866996	59
7363	3.867055	59
7364	3.867114	59
7365	3.867173	59
7366	3.867232	59
7367	3.867291	59
7368	3.867350	59
7369	3.867409	58
7370	3.867467	59
7371	3.867526	59
7372	3.867585	59
7373	3.867644	59
7374	3.867703	59
7375	3.867762	59
7376	3.867821	59
7377	3.867880	59
7378	3.867939	59
7379	3.867998	58
7380	3.868056	59
7381	3.868115	59
7382	3.868174	59
7383	3.868233	59
7384	3.868292	58
7385	3.868350	59
7386	3.868409	59
7387	3.868468	59
7388	3.868527	59
7389	3.868586	58
7390	3.868644	59
7391	3.868703	59
7392	3.868762	59
7393	3.868821	58
7394	3.868879	59
7395	3.868938	59
7396	3.868997	59
7397	3.869056	58
7398	3.869114	59
7399	3.869173	59
7400	3.869232	

Nomb.	2. 3′ 20″ Logarith.	Dif.
7400	3.869232	
7401	3.869290	58
7402	3.869349	59
7403	3.869408	59
7404	3.869466	58
7405	3.869525	59
7406	3.869584	59
7407	3.869642	58
7408	3.869701	59
7409	3.869760	59
7410	3.869818	58
7411	3.869877	59
7412	3.869935	58
7413	3.869994	59
7414	3.870053	59
7415	3.870111	58
7416	3.870170	59
7417	3.870228	58
7418	3.870287	59
7419	3.870345	58
7420	3.870404	59
7421	3.870462	58
7422	3.870521	59
7423	3.870579	58
7424	3.870638	59
7425	3.870696	58
7426	3.870755	59
7427	3.870813	58
7428	3.870872	59
7429	3.870930	58
7430	3.870989	59
7431	3.871047	58
7432	3.871106	59
7433	3.871164	58
7434	3.871223	59
7435	3.871281	58
7436	3.871339	58
7437	3.871398	59
7438	3.871456	58
7439	3.871515	59
7440	3.871573	58
7441	3.871631	58
7442	3.871690	59
7443	3.871748	58
7444	3.871806	58
7445	3.871865	59
7446	3.871923	58
7447	3.871981	58
7448	3.872040	59
7449	3.872098	58
7450	3.872156	58

Nomb.	2. 4′ 10″ Logarith.	Dif.
7450	3.872156	
7451	3.872215	59
7452	3.872273	58
7453	3.872331	58
7454	3.872389	58
7455	3.872448	59
7456	3.872506	58
7457	3.872564	58
7458	3.872622	58
7459	3.872681	59
7460	3.872739	58
7461	3.872797	58
7462	3.872855	58
7463	3.872913	58
7464	3.872972	59
7465	3.873030	58
7466	3.873088	58
7467	3.873146	58
7468	3.873204	58
7469	3.873262	58
7470	3.873321	59
7471	3.873379	58
7472	3.873437	58
7473	3.873495	58
7474	3.873553	58
7475	3.873611	58
7476	3.873669	58
7477	3.873727	58
7478	3.873785	58
7479	3.873844	59
7480	3.873902	58
7481	3.873960	58
7482	3.874018	58
7483	3.874076	58
7484	3.874134	58
7485	3.874192	58
7486	3.874250	58
7487	3.874308	58
7488	3.874366	58
7489	3.874424	58
7490	3.874482	58
7491	3.874540	58
7492	3.874598	58
7493	3.874656	58
7494	3.874714	58
7495	3.874772	58
7496	3.874830	58
7497	3.874888	57
7498	3.874945	58
7499	3.875003	58
7500	3.875061	

Nomb.	2. 5′ 0″ Logarith.	Dif.
7500	3.875061	58
7501	3.875119	58
7502	3.875177	58
7503	3.875235	58
7504	3.875293	58
7505	3.875351	58
7506	3.875409	57
7507	3.875466	58
7508	3.875524	58
7509	3.875582	58
7510	3.875640	58
7511	3.875698	58
7512	3.875756	57
7513	3.875813	58
7514	3.875871	58
7515	3.875929	58
7516	3.875987	58
7517	3.876045	57
7518	3.876102	58
7519	3.876160	58
7520	3.876218	58
7521	3.876276	57
7522	3.876333	58
7523	3.876391	58
7524	3.876449	58
7525	3.876507	57
7526	3.876564	58
7527	3.876622	58
7528	3.876680	57
7529	3.876737	58
7530	3.876795	58
7531	3.876853	57
7532	3.876910	58
7533	3.876968	58
7534	3.877026	57
7535	3.877083	58
7536	3.877141	58
7537	3.877199	57
7538	3.877256	58
7539	3.877314	57
7540	3.877371	58
7541	3.877429	58
7542	3.877487	57
7543	3.877544	58
7544	3.877602	57
7545	3.877659	58
7546	3.877717	57
7547	3.877774	58
7548	3.877832	57
7549	3.877889	58
7550	3.877947	57
7551	3.878004	58
7552	3.878062	57
7553	3.878119	58
7554	3.878177	57
7555	3.878234	58
7556	3.878292	57
7557	3.878349	58
7558	3.878407	57
7559	3.878464	58
7560	3.878522	57
7561	3.878579	58
7562	3.878637	57
7563	3.878694	58
7564	3.878752	57
7565	3.878809	57
7566	3.878866	58
7567	3.878924	57
7568	3.878981	58
7569	3.879039	57
7570	3.879096	57
7571	3.879153	58
7572	3.879211	57
7573	3.879268	57
7574	3.879325	58
7575	3.879383	57
7576	3.879440	57
7577	3.879497	58
7578	3.879555	57
7579	3.879612	57
7580	3.879669	57
7581	3.879726	58
7582	3.879784	57
7583	3.879841	57
7584	3.879898	58
7585	3.879956	57
7586	3.880013	57
7587	3.880070	57
7588	3.880127	58
7589	3.880185	57
7590	3.880242	57
7591	3.880299	57
7592	3.880356	57
7593	3.880413	58
7594	3.880471	57
7595	3.880528	57
7596	3.880585	57
7597	3.880642	57
7598	3.880699	57
7599	3.880756	58
7600	3.880814	57
7601	3.880871	57
7602	3.880928	57
7603	3.880985	57
7604	3.881042	57
7605	3.881099	57
7606	3.881156	57
7607	3.881213	57
7608	3.881271	58
7609	3.881328	57
7610	3.881385	57
7611	3.881442	57
7612	3.881499	57
7613	3.881556	57
7614	3.881613	57
7615	3.881670	57
7616	3.881727	57
7617	3.881784	57
7618	3.881841	57
7619	3.881898	57
7620	3.881955	57
7621	3.882012	57
7622	3.882069	57
7623	3.882126	57
7624	3.882183	57
7625	3.882240	57
7626	3.882297	57
7627	3.882354	57
7628	3.882411	57
7629	3.882468	57
7630	3.882525	56
7631	3.882581	57
7632	3.882638	57
7633	3.882695	57
7634	3.882752	57
7635	3.882809	57
7636	3.882866	57
7637	3.882923	57
7638	3.882980	57
7639	3.883037	56
7640	3.883093	57
7641	3.883150	57
7642	3.883207	57
7643	3.883264	57
7644	3.883321	56
7645	3.883377	57
7646	3.883434	57
7647	3.883491	57
7648	3.883548	57
7649	3.883605	56
7650	3.883661	

Nomb.	2. 7′ 30″ Logarith.	Dif.	Nomb.	2. 8′ 20″ Logarith.	Dif.	Nomb.	2. 9′ 10″ Logarith.	Dif.
7650	3.883661	57	7700	3.886491	56	7750	3.889302	56
7651	3.883718	57	7701	3.886547	57	7751	3.889358	56
7652	3.883775	57	7702	3.886604	56	7752	3.889414	56
7653	3.883832	56	7703	3.886660	56	7753	3.889470	56
7654	3.883888	57	7704	3.886716	57	7754	3.889526	56
7655	3.883945	57	7705	3.886773	56	7755	3.889582	56
7656	3.884002	57	7706	3.886829	56	7756	3.889638	56
7657	3.884059	56	7707	3.886885	57	7757	3.889694	56
7658	3.884115	57	7708	3.886942	56	7758	3.889750	56
7659	3.884172	57	7709	3.886998	56	7759	3.889806	56
7660	3.884229	56	7710	3.887054	57	7760	3.889862	56
7661	3.884285	57	7711	3.887111	56	7761	3.889918	56
7662	3.884342	57	7712	3.887167	56	7762	3.889974	56
7663	3.884399	56	7713	3.887223	57	7763	3.890030	56
7664	3.884455	57	7714	3.887280	56	7764	3.890086	55
7665	3.884512	57	7715	3.887336	56	7765	3.890141	56
7666	3.884569	56	7716	3.887392	56	7766	3.890197	56
7667	3.884625	57	7717	3.887448	57	7767	3.890253	56
7668	3.884682	57	7718	3.887505	56	7768	3.890309	56
7669	3.884739	56	7719	3.887561	56	7769	3.890365	56
7670	3.884795	57	7720	3.887617	57	7770	3.890421	56
7671	3.884852	57	7721	3.887674	56	7771	3.890477	56
7672	3.884909	56	7722	3.887730	56	7772	3.890533	56
7673	3.884965	57	7723	3.887786	56	7773	3.890589	56
7674	3.885022	56	7724	3.887842	56	7774	3.890645	55
7675	3.885078	57	7725	3.887898	57	7775	3.890700	56
7676	3.885135	57	7726	3.887955	56	7776	3.890756	56
7677	3.885192	56	7727	3.888011	56	7777	3.890812	56
7678	3.885248	57	7728	3.888067	56	7778	3.890868	56
7679	3.885305	56	7729	3.888123	56	7779	3.890924	56
7680	3.885361	57	7730	3.888179	57	7780	3.890980	55
7681	3.885418	56	7731	3.888236	56	7781	3.891035	56
7682	3.885474	57	7732	3.888292	56	7782	3.891091	56
7683	3.885531	56	7733	3.888348	56	7783	3.891147	56
7684	3.885587	57	7734	3.888404	56	7784	3.891203	56
7685	3.885644	56	7735	3.888460	56	7785	3.891259	55
7686	3.885700	57	7736	3.888516	57	7786	3.891314	56
7687	3.885757	56	7737	3.888573	56	7787	3.891370	56
7688	3.885813	57	7738	3.888629	56	7788	3.891426	56
7689	3.885870	56	7739	3.888685	56	7789	3.891482	55
7690	3.885926	57	7740	3.888741	56	7790	3.891537	56
7691	3.885983	56	7741	3.888797	56	7791	3.891593	56
7692	3.886039	57	7742	3.888853	56	7792	3.891649	56
7693	3.886096	56	7743	3.888909	56	7793	3.891705	55
7694	3.886152	57	7744	3.888965	56	7794	3.891760	56
7695	3.886209	56	7745	3.889021	56	7795	3.891816	56
7696	3.886265	56	7746	3.889077	57	7796	3.891872	56
7697	3.886321	57	7747	3.889134	56	7797	3.891928	55
7698	3.886378	56	7748	3.889190	56	7798	3.891983	56
7699	3.886434	57	7749	3.889246	56	7799	3.892039	56
7700	3.886491		7750	3.889302		7800	3.892095	

Nomb.	2. 10′ 0″ Logarith.	Dif.	Nomb.	2. 10′ 50″ Logarith.	Dif.	Nomb.	2. 11′ 40″ Logarith.	Dif.
7800	3.892095	55	7850	3.894870	55	7900	3.897627	55
7801	3.892150	56	7851	3.894925	55	7901	3.897682	55
7802	3.892206	56	7852	3.894980	56	7902	3.897737	55
7803	3.892262	55	7853	3.895036	55	7903	3.897792	55
7804	3.892317	56	7854	3.895091	55	7904	3.897847	55
7805	3.892373	56	7855	3.895146	55	7905	3.897902	55
7806	3.892429	55	7856	3.895201	56	7906	3.897957	55
7807	3.892484	56	7857	3.895257	55	7907	3.898012	55
7808	3.892540	55	7858	3.895312	55	7908	3.898067	55
7809	3.892595	56	7859	3.895367	56	7909	3.898122	54
7810	3.892651	56	7860	3.895423	55	7910	3.898176	55
7811	3.892707	55	7861	3.895478	55	7911	3.898231	55
7812	3.892762	56	7862	3.895533	55	7912	3.898286	55
7813	3.892818	55	7863	3.895588	56	7913	3.898341	55
7814	3.892873	56	7864	3.895644	55	7914	3.898396	55
7815	3.892929	56	7865	3.895699	55	7915	3.898451	55
7816	3.892985	55	7866	3.895754	55	7916	3.898506	55
7817	3.893040	56	7867	3.895809	55	7917	3.898561	54
7818	3.893096	55	7868	3.895864	56	7918	3.898615	55
7819	3.893151	56	7869	3.895920	55	7919	3.898670	55
7820	3.893207	55	7870	3.895975	55	7920	3.898725	55
7821	3.893262	56	7871	3.896030	55	7921	3.898780	55
7822	3.893318	55	7872	3.896085	55	7922	3.898835	55
7823	3.893373	56	7873	3.896140	55	7923	3.898890	54
7824	3.893429	55	7874	3.896195	56	7924	3.898944	55
7825	3.893484	56	7875	3.896251	55	7925	3.898999	55
7826	3.893540	55	7876	3.896306	55	7926	3.899054	55
7827	3.893595	56	7877	3.896361	55	7927	3.899109	55
7828	3.893651	55	7878	3.896416	55	7928	3.899164	54
7829	3.893706	56	7879	3.896471	55	7929	3.899218	55
7830	3.893762	55	7880	3.896526	55	7930	3.899273	55
7831	3.893817	56	7881	3.896581	55	7931	3.899328	55
7832	3.893873	55	7882	3.896636	56	7932	3.899383	54
7833	3.893928	56	7883	3.896692	55	7933	3.899437	55
7834	3.893984	55	7884	3.896747	55	7934	3.899492	55
7835	3.894039	55	7885	3.896802	55	7935	3.899547	55
7836	3.894094	56	7886	3.896857	55	7936	3.899602	54
7837	3.894150	55	7887	3.896912	55	7937	3.899656	55
7838	3.894205	56	7888	3.896967	55	7938	3.899711	55
7839	3.894261	55	7889	3.897022	55	7939	3.899766	55
7840	3.894316	55	7890	3.897077	55	7940	3.899821	54
7841	3.894371	56	7891	3.897132	55	7941	3.899875	55
7842	3.894427	55	7892	3.897187	55	7942	3.899930	55
7843	3.894482	56	7893	3.897242	55	7943	3.899985	54
7844	3.894538	55	7894	3.897297	55	7944	3.900039	55
7845	3.894593	55	7895	3.897352	55	7945	3.900094	55
7846	3.894648	56	7896	3.897407	55	7946	3.900149	54
7847	3.894704	55	7897	3.897462	55	7947	3.900203	55
7848	3.894759	55	7898	3.897517	55	7948	3.900258	54
7849	3.894814	56	7899	3.897572	55	7949	3.900312	55
7850	3.894870		7900	3.897627		7950	3.900367	

Nomb.	2. 12′ 30″ Logarith.	Dif.
7950	3.900367	55
7951	3.900422	54
7952	3.900476	55
7953	3.900531	55
7954	3.900586	54
7955	3.900640	55
7956	3.900695	54
7957	3.900749	55
7958	3.900804	55
7959	3.900859	54
7960	3.900913	55
7961	3.900968	54
7962	3.901022	55
7963	3.901077	54
7964	3.901131	55
7965	3.901186	54
7966	3.901240	55
7967	3.901295	54
7968	3.901349	55
7969	3.901404	54
7970	3.901458	55
7971	3.901513	54
7972	3.901567	55
7973	3.901622	54
7974	3.901676	55
7975	3.901731	54
7976	3.901785	55
7977	3.901840	54
7978	3.901894	54
7979	3.901948	55
7980	3.902003	54
7981	3.902057	55
7982	3.902112	54
7983	3.902166	55
7984	3.902221	54
7985	3.902275	54
7986	3.902329	55
7987	3.902384	54
7988	3.902438	54
7989	3.902492	55
7990	3.902547	54
7991	3.902601	54
7992	3.902655	55
7993	3.902710	54
7994	3.902764	54
7995	3.902818	55
7996	3.902873	54
7997	3.902927	54
7998	3.902981	55
7999	3.903036	54
8000	3.903090	

Nomb.	2. 13′ 20″ Logarith.	Dif.
8000	3.903090	54
8001	3.903144	55
8002	3.903199	54
8003	3.903253	54
8004	3.903307	54
8005	3.903361	55
8006	3.903416	54
8007	3.903470	54
8008	3.903524	54
8009	3.903578	55
8010	3.903633	54
8011	3.903687	54
8012	3.903741	54
8013	3.903795	54
8014	3.903849	55
8015	3.903904	54
8016	3.903958	54
8017	3.904012	54
8018	3.904066	54
8019	3.904120	54
8020	3.904174	55
8021	3.904229	54
8022	3.904283	54
8023	3.904337	54
8024	3.904391	54
8025	3.904445	54
8026	3.904499	54
8027	3.904553	54
8028	3.904607	54
8029	3.904661	55
8030	3.904716	54
8031	3.904770	54
8032	3.904824	54
8033	3.904878	54
8034	3.904932	54
8035	3.904986	54
8036	3.905040	54
8037	3.905094	54
8038	3.905148	54
8039	3.905202	54
8040	3.905256	54
8041	3.905310	54
8042	3.905364	54
8043	3.905418	54
8044	3.905472	54
8045	3.905526	54
8046	3.905580	54
8047	3.905634	54
8048	3.905688	54
8049	3.905742	54
8050	3.905796	

Nomb.	2. 14′ 10″ Logarith.	Dif.
8050	3.905796	54
8051	3.905850	54
8052	3.905904	54
8053	3.905958	54
8054	3.906012	54
8055	3.906066	53
8056	3.906119	54
8057	3.906173	54
8058	3.906227	54
8059	3.906281	54
8060	3.906335	54
8061	3.906389	54
8062	3.906443	54
8063	3.906497	54
8064	3.906551	53
8065	3.906604	54
8066	3.906658	54
8067	3.906712	54
8068	3.906766	54
8069	3.906820	54
8070	3.906874	53
8071	3.906927	54
8072	3.906981	54
8073	3.907035	54
8074	3.907089	54
8075	3.907143	53
8076	3.907196	54
8077	3.907250	54
8078	3.907304	54
8079	3.907358	53
8080	3.907411	54
8081	3.907465	54
8082	3.907519	54
8083	3.907573	53
8084	3.907626	54
8085	3.907680	54
8086	3.907734	53
8087	3.907787	54
8088	3.907841	54
8089	3.907895	54
8090	3.907949	53
8091	3.908002	54
8092	3.908056	54
8093	2.908110	53
8094	3.908163	54
8095	3.908217	53
8096	3.908270	54
8097	3.908324	54
8098	3.908378	53
8099	3.908431	54
8100	3.908485	

Nomb.	2. 15′ 0″ Logarith.	Dif.
8100	3.908485	54
8101	3.908539	53
8102	3.908592	54
8103	3.908646	53
8104	3.908699	54
8105	3.908753	54
8106	3.908807	53
8107	3.908860	54
8108	3.908914	53
8109	3.908967	54
8110	3.909021	53
8111	3.909074	54
8112	3.909128	53
8113	3.909181	54
8114	3.909235	54
8115	3.909289	53
8116	3.909342	54
8117	3.909396	53
8118	3.909449	54
8119	3.909503	53
8120	3.909556	54
8121	3.909610	53
8122	3.909663	53
8123	3.909716	54
8124	3.909770	53
8125	3.909823	54
8126	3.909877	53
8127	3.909930	54
8128	3.909984	53
8129	3.910037	54
8130	3.910091	53
8131	3.910144	53
8132	3.910197	54
8133	3.910251	53
8134	3.910304	54
8135	3.910358	53
8136	3.910411	53
8137	3.910464	54
8138	3.910518	53
8139	3.910571	53
8140	3.910624	54
8141	3.910678	53
8142	3.910731	53
8143	3.910784	54
8144	3.910838	53
8145	3.910891	53
8146	3.910944	54
8147	3.910998	53
8148	3.911051	53
8149	3.911104	54
8150	3.911158	

Nomb.	2. 15′ 50″ Logarith.	Dif.
8150	3.911158	53
8151	3.911211	53
8152	3.911264	53
8153	3.911317	54
8154	3.911371	53
8155	3.911424	53
8156	3.911477	53
8157	3.911530	54
8158	3.911584	53
8159	3.911637	53
8160	3.911690	53
8161	3.911743	54
8162	3.911797	53
8163	3.911850	53
8164	3.911903	53
8165	3.911956	53
8166	3.912009	54
8167	3.912063	53
8168	3.912116	53
8169	3.912169	53
8170	3.912222	53
8171	3.912275	53
8172	3.912328	53
8173	3.912381	54
8174	3.912435	53
8175	3.912488	53
8176	3.912541	53
8177	3.912594	53
8178	3.912647	53
8179	3.912700	53
8180	3.912753	53
8181	3.912806	53
8182	3.912859	54
8183	3.912913	53
8184	3.912966	53
8185	3.913019	53
8186	3.913072	53
8187	3.913125	53
8188	3.913178	53
8189	3.913231	53
8190	3.913284	53
8191	3.913337	53
8192	3.913390	53
8193	3.913443	53
8194	3.913496	53
8195	3.913549	53
8196	3.913602	53
8197	3.913655	53
8198	3.913708	53
8199	3.913761	53
8200	3.913814	

Nomb.	2. 16′ 40″ Logarith.	Dif.
8200	3.913814	53
8201	3.913867	53
8202	3.913920	53
8203	3.913973	53
8204	3.914026	53
8205	3.914079	53
8206	3.914132	52
8207	3.914184	53
8208	3.914237	53
8209	3.914290	53
8210	3.914343	53
8211	3.914396	53
8212	3.914449	53
8213	3.914502	53
8214	3.914555	53
8215	3.914608	52
8216	3.914660	53
8217	3.914713	53
8218	3.914766	53
8219	3.914819	53
8220	3.914872	53
8221	3.914925	52
8222	3.914977	53
8223	3.915030	53
8224	3.915083	53
8225	3.915136	53
8226	3.915189	52
8227	3.915241	53
8228	3.915294	53
8229	3.915347	53
8230	3.915400	53
8231	3.915453	52
8232	3.915505	53
8233	3.915558	53
8234	3.915611	53
8235	3.915664	52
8236	3.915716	53
8237	3.915769	53
8238	3.915822	52
8239	3.915874	53
8240	3.915927	53
8241	3.915980	53
8242	3.916033	52
8243	3.916085	53
8244	3.916138	53
8245	3.916191	52
8246	3.916243	53
8247	3.916296	53
8248	3.916349	52
8249	3.916401	53
8250	3.916454	

Nomb.	2. 17′ 30″ Logarith.	Dif.
8250	3.916454	53
8251	3.916507	52
8252	3.916559	53
8253	3.916612	52
8254	3.916664	53
8255	3.916717	53
8256	3.916770	52
8257	3.916822	53
8258	3.916875	52
8259	3.916927	53
8260	3.916980	53
8261	3.917033	52
8262	3.917085	53
8263	3.917138	52
8264	3.917190	53
8265	3.917243	52
8266	3.917295	53
8267	3.917348	52
8268	3.917400	53
8269	3.917453	53
8270	3.917506	52
8271	3.917558	53
8272	3.917611	52
8273	3.917663	53
8274	3.917716	52
8275	3.917768	52
8276	3.917820	53
8277	3.917873	52
8278	3.917925	53
8279	3.917978	52
8280	3.918030	53
8281	3.918083	52
8282	3.918135	53
8283	3.918188	52
8284	3.918240	53
8285	3.918293	52
8286	3.918345	52
8287	3.918397	53
8288	3.918450	52
8289	3.918502	53
8290	3.918555	52
8291	3.918607	52
8292	3.918659	53
8293	3.918712	52
8294	3.918764	52
8295	3.918816	53
8296	3.918869	52
8297	3.918921	52
8298	3.918973	53
8299	3.919026	52
8300	3.919078	

Nomb.	2. 18′ 20″ Logarith.	Dif.
8300	3.919078	52
8301	3.919130	53
8302	3.919183	52
8303	3.919235	52
8304	3.919287	53
8305	3.919340	52
8306	3.919392	52
8307	3.919444	52
8308	3.919496	53
8309	3.919549	52
8310	3.919601	52
8311	3.919653	53
8312	3.919706	52
8313	3.919758	52
8314	3.919810	52
8315	3.919862	52
8316	3.919914	53
8317	3.919967	52
8318	3.920019	52
8319	3.920071	52
8320	3.920123	53
8321	3.920176	52
8322	3.920228	52
8323	3.920280	52
8324	3.920332	53
8325	3.920384	52
8326	3.920436	53
8327	3.920489	52
8328	3.920541	52
8329	3.920593	52
8330	3.920645	52
8331	3.920697	52
8332	3.920749	52
8333	3.920801	52
8334	3.920853	53
8335	3.920906	52
8336	3.920958	52
8337	3.921010	52
8338	3.921062	52
8339	3.921114	52
8340	3.921166	52
8341	3.921218	52
8342	3.921270	52
8343	3.921322	52
8344	3.921374	52
8345	3.921426	52
8346	3.921478	52
8347	3.921530	52
8348	3.921582	52
8349	3.921634	52
8350	3.921686	

Nomb.	2. 19′ 10″ Logarith.	Dif.
8350	3.921686	52
8351	3.921738	52
8352	3.921790	52
8353	3.921842	52
8354	3.921894	52
8355	3.921946	52
8356	3.921998	52
8357	3.922050	52
8358	3.922102	52
8359	3.922154	52
8360	3.922206	52
8361	3.922258	52
8362	3.922310	52
8363	3.922362	52
8364	3.922414	52
8365	3.922466	52
8366	3.922518	52
8367	3.922570	52
8368	3.922622	52
8369	3.922674	51
8370	3.922725	52
8371	3.922777	52
8372	3.922829	52
8373	3.922881	52
8374	3.922933	52
8375	3.922985	52
8376	3.923037	52
8377	3.923089	51
8378	3.923140	52
8379	3.923192	52
8380	3.923244	52
8381	3.923296	52
8382	3.923348	51
8383	3.923399	52
8384	3.923451	52
8385	3.923503	52
8386	3.923555	52
8387	3.923607	51
8388	3.923658	52
8389	3.923710	52
8390	3.923762	52
8391	3.923814	51
8392	3.923865	52
8393	3.923917	52
8394	3.923969	52
8395	3.924021	51
8396	3.924072	52
8397	3.924124	52
8398	3.924176	52
8399	3.924228	51
8400	3.924279	

Nomb.	2. 20' 0" Logarith.	Dif.
8400	3.924279	52
8401	3.924331	52
8402	3.924383	51
8403	3.924434	52
8404	3.924486	52
8405	3.924538	51
8406	3.924589	52
8407	3.924641	52
8408	3.924693	51
8409	3.924744	52
8410	3.924796	52
8411	3.924848	51
8412	3.924899	52
8413	3.924951	51
8414	3.925002	52
8415	3.925054	52
8416	3.925106	51
8417	3.925157	52
8418	3.925209	52
8419	3.925261	51
8420	3.925312	52
8421	3.925364	51
8422	3.925415	52
8423	3.925467	51
8424	3.925518	52
8425	3.925570	51
8426	3.925621	52
8427	3.925673	52
8428	3.925725	51
8429	3.925776	52
8430	3.925828	51
8431	3.925879	52
8432	3.925931	51
8433	3.925982	52
8434	3.926034	51
8435	3.926085	52
8436	3.926137	51
8437	3.926188	52
8438	3.926240	51
8439	3.926291	51
8440	3.926342	52
8441	3.926394	51
8442	3.926445	52
8443	3.926497	51
8444	3.926548	52
8445	3.926600	51
8446	3.926651	51
8447	3.926702	52
8448	3.926754	51
8449	3.926805	52
8450	3.926857	

Nomb.	2. 20' 50" Logarith.	Dif.
8450	3.926857	51
8451	3.926908	51
8452	3.926959	52
8453	3.927011	51
8454	3.927062	52
8455	3.927114	51
8456	3.927165	51
8457	3.927216	52
8458	3.927268	51
8459	3.927319	51
8460	3.927370	52
8461	3.927422	51
8462	3.927473	51
8463	3.927524	52
8464	3.927576	51
8465	3.927627	51
8466	3.927678	52
8467	3.927730	51
8468	3.927781	51
8469	3.927832	51
8470	3.927883	52
8471	3.927935	51
8472	3.927986	51
8473	3.928037	51
8474	3.928088	52
8475	3.928140	51
8476	3.928191	51
8477	3.928242	51
8478	3.928293	52
8479	3.928345	51
8480	3.928396	51
8481	3.928447	51
8482	3.928498	51
8483	3.928549	52
8484	3.928601	51
8485	3.928652	51
8486	3.928703	51
8487	3.928754	51
8488	3.928805	52
8489	3.928857	51
8490	3.928908	51
8491	3.928959	51
8492	3.929010	51
8493	3.929061	51
8494	3.929112	51
8495	3.929163	52
8496	3.929215	51
8497	3.929266	51
8498	3.929317	51
8499	3.929368	51
8500	3.929419	

Nomb.	2. 21' 40" Logarith.	Dif.
8500	3.929419	51
8501	3.929470	51
8502	3.929521	51
8503	3.929572	51
8504	3.929623	51
8505	3.929674	51
8506	3.929725	51
8507	3.929776	51
8508	3.929827	52
8509	3.929879	51
8510	3.929930	51
8511	3.929981	51
8512	3.930032	51
8513	3.930083	51
8514	3.930134	51
8515	3.930185	51
8516	3.930236	51
8517	3.930287	51
8518	3.930338	51
8519	3.930389	51
8520	3.930440	51
8521	3.930491	51
8522	3.930542	50
8523	3.930592	51
8524	3.938643	51
8525	3.930694	51
8526	3.930745	51
8527	3.930796	51
8528	3.930847	51
8529	3.930898	51
8530	3.930949	51
8531	3.931000	51
8532	3.931051	51
8533	3.931102	51
8534	3.931153	51
8535	3.931204	50
8536	3.931254	51
8537	3.931305	51
8538	3.931356	51
8539	3.931407	51
8540	3.931458	51
8541	3.431509	51
8542	3.931560	50
8543	3.931610	51
8544	3.931661	51
8545	3.931712	51
8546	3.931763	51
8547	3.931814	51
8548	3.931865	50
8549	3.931915	51
8550	3.931966	

Nomb.	2. 22' 30" Logarith.	Dif.
8550	3.931966	51
8551	3.932017	51
8552	3.932068	50
8553	3.932118	51
8554	3.932169	51
8555	3.932220	51
8556	3.932271	51
8557	3.932322	50
8558	3.932372	51
8559	3.932423	51
8560	3.932474	50
8561	3.932524	51
8562	3.932575	51
8563	3.932626	51
8564	3.932677	50
8565	3.932727	51
8566	3.932778	51
8567	3.932829	50
8568	3.932879	51
8569	3.932930	51
8570	3.932981	50
8571	3.933031	51
8572	3.933082	51
8573	3.933133	50
8574	3.933183	51
8575	3.933234	51
8576	3.933285	50
8577	3.933335	51
8578	3.933386	51
8579	3.933437	50
8580	3.933487	51
8581	3.933538	51
8582	3.933589	50
8583	3.933639	51
8584	3.933690	50
8585	3.933740	51
8586	3.933791	50
8587	3.933841	51
8588	3.933892	51
8589	3.933943	50
8590	3.933993	51
8591	3.934044	50
8592	3.934094	51
8593	3.934145	50
8594	3.934195	51
8595	3.934246	50
8596	3.934296	51
8597	3.934347	50
8598	3.934397	51
8599	3.934448	50
8600	3.934498	

Nomb.	2. 23' 20" Logarith.	Dif.
8600	3.934498	51
8601	3.934549	50
8602	3.934599	51
8603	3.934650	50
8604	3.934700	51
8605	3.934751	50
8606	3.934801	51
8607	3.934852	50
8608	3.934902	51
8609	3.934953	50
8610	3.935003	51
8611	3.935054	50
8612	3.935104	50
8613	3.935154	51
8614	3.935205	50
8615	3.935255	51
8616	3.9353o6	50
8617	3.935356	50
8618	3.935406	51
8619	3.935457	50
8620	3.935507	51
8621	3.935558	50
8622	3.935608	50
8623	3.935658	51
8624	3.935709	50
8625	3.935759	50
8626	3.935809	51
8627	3.935860	50
8628	3.935910	50
8629	3.935960	51
8630	3.936011	50
8631	3.936061	50
8632	3.936111	51
8633	3.936162	50
8634	3.936212	50
8635	3.936262	51
8636	3.936313	50
8637	3.936363	50
8638	3.936413	50
8639	3.936463	51
8640	3.936514	50
8641	3.936564	50
8642	3.936614	51
8643	3.936665	50
8644	3.936715	50
8645	3.936765	50
8646	3.936815	50
8647	3.936865	51
8648	3.936916	50
8649	3.936966	50
8650	3.937016	

Nomb.	2. 24' 10" Logarith.	Dif.
8650	3.937016	50
8651	3.937066	51
8652	3.937117	50
8653	3.937167	50
8654	3.937217	50
8655	3.937267	50
8656	3.937317	50
8657	3.937367	51
8658	3.937418	50
8659	3.937468	50
8660	3.937518	50
8661	3.937568	50
8662	3.937618	50
8663	3.937668	50
8664	3.937718	51
8665	3.937769	50
8666	3.937819	50
8667	3.937869	50
8668	3.937919	50
8669	3.937969	50
8670	3.938019	50
8671	3.938069	50
8672	3.938119	50
8673	3.938169	50
8674	3.938219	50
8675	3.938269	51
8676	3.938320	50
8677	3.938370	50
8678	3.938420	50
8679	3.938470	50
8680	3.938520	50
8681	3.938570	50
8682	3.938620	50
8683	3.938670	50
8684	3.938720	50
8685	3.938770	50
8686	3.938820	50
8687	3.938870	50
8688	3.938920	50
8689	3.938970	50
8690	3.939020	50
8691	3.939070	50
8692	3.939120	50
8693	3.939170	50
8694	3.939220	50
8695	3.939270	50
8696	3.939320	49
8697	3.939369	50
8698	3.939419	50
8699	3.939469	50
8700	3.939519	

Nomb.	2. 25' 0" Logarith.	Dif.
8700	3.939519	50
8701	3.939569	50
8702	3.939619	50
8703	3.939669	50
8704	3.939719	50
8705	3.939769	50
8706	3.939819	50
8707	3.939869	49
8708	3.939918	50
8709	3.939968	50
8710	3.940018	50
8711	3.940068	50
8712	3.940118	50
8713	3.940168	50
8714	3.940218	49
8715	3.940267	50
8716	3.940317	50
8717	3.940367	50
8718	3.940417	50
8719	3.940467	49
8720	3.940516	50
8721	3.940566	50
8722	3.940616	50
8723	3.940666	50
8724	3.940716	49
8725	3.940765	50
8726	3.940815	50
8727	3.940865	50
8728	3.940915	49
8729	3.940964	50
8730	3.941014	50
8731	3.941064	50
8732	3.941114	49
8733	3.941163	50
8734	3.941213	50
8735	3.941263	50
8736	3.941313	49
8737	3.941362	50
8738	3.941412	50
8739	3.941462	49
8740	3.941511	50
8741	3.941561	50
8742	3.941611	49
8743	3.941660	50
8744	3.941710	50
8745	3.941760	49
8746	3.941809	50
8747	3.941859	50
8748	3.941909	49
8749	3.941958	50
8750	3.942008	

Nomb.	2. 25' 50" Logarith.	Dif.
8750	3.942008	50
8751	3.942058	49
8752	3.942107	50
8753	3.942157	50
8754	3.942207	49
8755	3.942256	50
8756	3.942306	49
8757	3.942355	50
8758	3.942405	50
8759	3.942455	49
8760	3.942504	50
8761	3.942554	49
8762	3.942603	50
8763	3.942653	49
8764	3.942702	50
8765	3.942752	49
8766	3.942801	50
8767	3.942851	50
8768	3.942901	49
8769	3.942950	50
8770	3.943000	49
8771	3.943049	50
8772	3.943099	49
8773	3.943148	50
8774	3.943198	49
8775	3.943247	50
8776	3.943297	49
8777	3.943346	50
8778	3.943396	49
8779	3.943445	50
8780	3.943495	49
8781	3.943544	49
8782	3.943593	50
8783	3.943643	49
8784	3.943692	50
8785	3.943742	49
8786	3.943791	50
8787	3.943841	49
8788	3.943890	49
8789	3.943939	50
8790	3.943989	49
8791	3.944038	50
8792	3.944088	49
8793	3.944137	49
8794	3.944186	50
8795	3.944236	49
8796	3.944285	50
8797	3.944335	49
8798	3.944384	49
8799	3.944433	50
8800	3.944483	

Nomb.	2. 26' 40" Logarith.	Dif.
8800	3.944483	49
8801	3.944532	49
8802	3.944581	50
8803	3.944631	49
8804	3.944680	49
8805	3.944729	50
8806	3.944779	49
8807	3.944828	49
8808	3.944877	50
8809	3.944927	49
8810	3.944976	49
8811	3.945025	49
8812	3.945074	50
8813	3.945124	49
8814	3.945173	49
8815	3.945222	50
8816	3.945272	49
8817	3.945321	49
8818	3.945370	49
8819	3.945419	50
8820	3.945469	49
8821	3.945518	49
8822	3.945567	49
8823	3.945616	49
8824	3.945665	50
8825	3.945715	49
8826	3.945764	49
8827	3.945813	49
8828	3.945862	50
8829	3.945912	49
8830	3.945961	49
8831	3.946010	49
8832	3.946059	49
8833	3.946108	49
8834	3.946157	50
8835	3.946207	49
8836	3.946256	49
8837	3.946305	49
8838	3.946354	49
8839	3.946403	49
8840	3.946452	49
8841	3.946501	49
8842	3.946550	50
8843	3.946600	49
8844	3.946649	49
8845	3.946698	49
8846	3.946747	49
8847	3.946796	49
8848	3.946845	49
8849	3.946894	49
8850	3.946943	

Nomb.	2. 27′ 30″ Logarith.	Dif.	Nomb.	2. 28′ 20″ Logarith.	Dif.	Nomb.	2. 29′ 10″ Logarith.	Dif.
8850	3.946943		8900	3.949390		8950	3.951823	
8851	3.946992	49	8901	3.949439	49	8951	3.951872	49
8852	3.947041	49	8902	3.949488	49	8952	3.951920	48
8853	3.947090	49	8903	3.949536	48	8953	3.951969	49
8854	3.947140	50	8904	3.949585	49	8954	3.952017	48
8855	3.947189	49	8905	3.949634	49	8955	3.952066	49
8856	3.947238	49	8906	3.949683	49	8956	3.952114	48
8857	3.947287	49	8907	3.949731	48	8957	3.952163	49
8858	3.947336	49	8908	3.949780	49	8958	3.952211	48
8859	3.947385	49	8909	3.949829	49	8959	3.952260	49
8860	3.947434	49	8910	3.949878	49	8960	3.952308	48
8861	3.947483	49	8911	3.949926	48	8961	3.952356	48
8862	3.947532	49	8912	3.949975	49	8962	3.952405	49
8863	3.947581	49	8913	3.950024	49	8963	3.952453	48
8864	3.947630	49	8914	3.950073	49	8964	3.952502	49
8865	3.947679	49	8915	3.950121	48	8965	3.952550	48
8866	3.947728	49	8916	3.950170	49	8966	3.952599	49
8867	3.947777	49	8917	3.950219	49	8967	3.952647	48
8868	3.947826	49	8918	3.950267	48	8968	3.952696	49
8869	3.947875	49	8919	3.950316	49	8969	3.952744	48
8870	3.947924	49	8920	3.950365	49	8970	3.952792	48
8871	3.947973	49	8921	3.950414	49	8971	3.952841	49
8872	3.948022	49	8922	3.950462	48	8972	3.952889	48
8873	3.948070	48	8923	3.950511	49	8973	3.952938	49
8874	3.948119	49	8924	3.950560	49	8974	3.952986	48
8875	3.948168	49	8925	3.950608	48	8975	3.953034	48
8876	3.948217	49	8926	3.950657	49	8976	3.953083	49
8877	3.918266	49	8927	3.950706	49	8977	3.953131	48
8878	3.948315	49	8928	3.950754	48	8978	3.953180	49
8879	3.948364	49	8929	3.950803	49	8979	3.953228	48
8880	3.948413	49	8930	3.950851	48	8980	3.953276	48
8881	3.948462	49	8931	3.950900	49	8981	3.953325	49
8882	3.948511	49	8932	3.950949	49	8982	3.953373	48
8883	3.948560	49	8933	3.950997	48	8983	3.953421	48
8884	3.948609	49	8934	3.951046	49	8984	3.953470	49
8885	3.948657	48	8935	3.951095	49	8985	3.953518	48
8886	3.948706	49	8936	3.951143	48	8986	3.953566	48
8887	3.948755	49	8937	3.951192	49	8987	3.953615	49
8888	3.948804	49	8938	3.951240	48	8988	3.953663	48
8889	3.948853	49	8939	3.951289	49	8989	3.953711	48
8890	3.948902	49	8940	3.951338	49	8990	3.953760	49
8891	3.948951	49	8941	3.951386	48	8991	3.953808	48
8892	3.948999	48	8942	3.951435	49	8992	3.953856	48
8893	3.949048	49	8943	3.951483	48	8993	3.953905	49
8894	3.949097	49	8944	3.951532	49	8994	3.953953	48
8895	3.949146	49	8945	3.951580	48	8995	3.954001	48
8896	3.949195	49	8946	3.951629	49	8996	3.954049	48
8897	3.949244	49	8947	3.951677	48	8997	3.954098	49
8898	3.949292	48	8948	3.951726	49	8998	3.954146	48
8899	3.949341	49	8949	3.951774	48	8999	3.954194	48
8900	3.949390	49	8950	3.951823	49	9000	3.954243	49

Nomb.	2. 30′ 0″ Logarith.	Dif.
9000	3.954243	48
9001	3.954291	48
9002	3.954339	48
9003	3.954387	48
9004	3.954435	49
9005	3.954484	48
9006	3.954532	48
9007	3.954580	48
9008	3.954628	49
9009	3.954677	48
9010	3.954725	48
9011	3.954773	48
9012	3.954821	48
9013	3.954869	49
9014	3.954918	48
9015	3.954966	48
9016	3.955014	48
9017	3.955062	48
9018	3.955110	48
9019	3.955158	49
9020	3.955207	48
9021	3.955255	48
9022	3.955303	48
9023	3.955351	48
9024	3.955399	48
9025	3.955447	48
9026	3.955495	48
9027	3.955543	49
9028	3.955592	48
9029	3.955640	48
9030	3.955688	48
9031	3.955736	48
9032	3.955784	48
9033	3.955832	48
9034	3.955880	48
9035	3.955928	48
9036	3.955976	48
9037	3.956024	48
9038	3.956072	48
9039	3.956120	48
9040	3.956168	48
9041	3.956216	49
9042	3.956265	48
9043	3.956313	48
9044	3.956361	48
9045	3.956409	48
9046	3.956457	48
9047	3.956505	48
9048	3.956553	48
9049	3.956601	48
9050	3.956649	

Nomb.	2. 30′ 50″ Logarith.	Dif.
9050	3.956649	48
9051	3.956697	48
9052	3.956745	48
9053	3.956793	47
9054	3.956840	48
9055	3.956888	48
9056	3.956936	48
9057	3.956984	48
9058	3.957032	48
9059	3.957080	48
9060	3.957128	48
9061	3.957176	48
9062	3.957224	48
9063	3.957272	48
9064	3.957320	48
9065	3.957368	48
9066	3.957416	48
9067	3.957464	48
9068	3.957512	47
9069	3.957559	48
9070	3.957607	48
9071	3.957655	48
9072	3.957703	48
9073	3.957751	48
9074	3.957799	48
9075	3.957847	47
9076	3.957894	48
9077	3.957942	48
9078	3.957990	48
9079	3.958038	48
9080	3.958086	48
9081	3.958134	47
9082	3.958181	48
9083	3.958229	48
9084	3.958277	48
9085	3.958325	48
9086	3.958373	48
9087	3.958421	47
9088	3.958468	48
9089	3.958516	48
9090	3.958564	48
9091	3.958612	47
9092	3.958659	48
9093	3.958707	48
9094	3.958755	48
9095	3.958803	47
9096	3.958850	48
9097	3.958898	48
9098	3.958946	48
9099	3.958994	47
9100	3.959041	

Nomb.	2. 31′ 40″ Logarith.	Dif.
9100	3.959041	48
9101	3.959089	48
9102	3.959137	48
9103	3.959185	47
9104	3.959232	48
9105	3.959280	48
9106	3.959328	47
9107	3.959375	48
9108	3.959423	48
9109	3.959471	47
9110	3.959518	48
9111	3.959566	48
9112	3.959614	47
9113	3.959661	48
9114	3.959709	48
9115	3.959757	47
9116	3.959804	48
9117	3.959852	48
9118	3.959900	47
9119	3.959947	48
9120	3.959995	47
9121	3.960042	48
9122	3.960090	48
9123	3.960138	47
9124	3.960185	48
9125	3.960233	47
9126	3.960280	48
9127	3.960328	48
9128	3.960376	47
9129	3.960423	48
9130	3.960471	47
9131	3.960518	48
9132	3.960566	47
9133	3.960613	48
9134	3.960661	48
9135	3.960709	47
9136	3.960756	48
9137	3.960804	47
9138	3.960851	48
9139	3.960899	47
9140	3.960946	48
9141	3.960994	47
9142	3.961041	48
9143	3.961089	47
9144	3.961136	48
9145	3.961184	47
9146	3.961231	48
9147	3.961279	47
9148	3.961326	48
9149	3.961374	47
9150	3.961421	

Nomb.	2. 32′ 30″ Logarith.	Dif.
9150	3.961421	48
9151	3.961469	47
9152	3.961516	47
9153	3.961563	48
9154	3.961611	47
9155	3.961658	48
9156	3.961706	47
9157	3.961753	48
9158	3.961801	47
9159	3.961848	47
9160	3.961895	48
9161	3.961943	47
9162	3.961990	48
9163	3.962038	47
9164	3.962085	47
9165	3.962132	48
9166	3.962180	47
9167	3.962227	48
9168	3.962275	47
9169	3.962322	47
9170	3.962369	48
9171	3.962417	47
9172	3.962464	47
9173	3.962511	48
9174	3.962559	47
9175	3.962606	47
9176	3.962653	48
9177	3.962701	47
9178	3.962748	47
9179	3.962795	48
9180	3.962843	47
9181	3.962890	47
9182	3.962937	48
9183	3.962985	47
9184	3.963032	47
9185	3.963079	47
9186	3.963126	48
9187	3.963174	47
9188	3.963221	47
9189	3.963268	48
9190	3.963316	47
9191	3.963363	47
9192	3.963410	47
9193	3.963457	47
9194	3.963504	48
9195	3.963552	47
9196	3.963599	47
9197	3.963646	47
9198	3.963693	48
9199	3.963741	47
9200	3.963788	

Nomb.	2. 33′ 20″ Logarith.	Dif.
9200	3.963788	47
9201	3.963835	47
9202	3.963882	47
9203	3.963929	48
9204	3.963977	47
9205	3.964024	47
9206	3.964071	47
9207	3.964118	47
9208	3.964165	47
9209	3.964212	48
9210	3.964260	47
9211	3.964307	47
9212	3.964354	47
9213	3.964401	47
9214	3.964448	47
9215	3.964495	47
9216	3.964542	48
9217	3.964590	47
9218	3.964637	47
9219	3.964684	47
9220	3.964731	47
9221	3.964778	47
9222	3.964825	47
9223	3.964872	47
9224	3.964919	47
9225	3.964966	47
9226	3.965013	48
9227	3.965061	47
9228	3.965108	47
9229	3.965155	47
9230	3.965202	47
9231	3.965249	47
9232	3.965296	47
9233	3.965343	47
9234	3.965390	47
9235	3.965437	47
9236	3.965484	47
9237	3.965531	47
9238	3.965578	47
9239	3.965625	47
9240	3.965672	47
9241	3.965719	47
9242	3.965766	47
9243	3.965813	47
9244	3.965860	47
9245	3.965907	47
9246	3.965954	47
9247	3.966001	47
9248	3.966048	47
9249	3.966095	47
9250	3.966142	

Nomb.	2. 34′ 10″ Logarith.	Dif.
9250	3.966142	47
9251	3.966189	47
9252	3.966236	47
9253	3.966283	46
9254	3.966329	47
9255	3.966376	47
9256	3.966423	47
9257	3.966470	47
9258	3.966517	47
9259	3.966564	47
9260	3.966611	47
9261	3.966658	47
9262	3.966705	47
9263	3.966752	47
9264	3.966799	46
9265	3.966845	47
9266	3.966892	47
9267	3.966939	47
9268	3.966986	47
9269	3.967033	47
9270	3.967080	47
9271	3.967127	46
9272	3.967173	47
9273	3.967220	47
9274	3.967267	47
9275	3.967314	47
9276	3.967361	47
9277	3.967408	46
9278	3.967454	47
9279	3.967501	47
9280	3.967548	47
9281	3.967595	47
9282	3.967642	46
9283	3.967688	47
9284	3.967735	47
9285	3.967782	47
9286	3.967829	46
9287	3.967875	47
9288	3.967922	47
9289	3.967969	47
9290	3.968016	46
9291	3.968062	47
9292	3.968109	47
9293	3.968156	47
9294	3.968203	46
9295	3.968249	47
9296	3.968296	47
9297	3.968343	47
9298	3.968390	46
9299	3.968436	47
9300	3.968483	

Nomb.	2. 35' 0" Logarith.	Dif.
9300	3.968483	
9301	3.968530	47
9302	3.968576	46
9303	3.968623	47
9304	3.968670	47
9305	3.968716	46
9306	3.968763	47
9307	3.968810	47
9308	3.968856	46
9309	3.968903	47
9310	3.968950	47
9311	3.968996	46
9312	3.969043	47
9313	3.969090	47
9314	3.969136	46
9315	3.969183	47
9316	3.969229	46
9317	3.969276	47
9318	3.969323	47
9319	3.969369	46
9320	3.969416	47
9321	3.969463	47
9322	3.969509	46
9323	3.969556	47
9324	3.969602	46
9325	3.969649	47
9326	3.969695	46
9327	3.969742	47
9328	3.969789	47
9329	3.969835	46
9330	3.969882	47
9331	3.969928	46
9332	3.969975	47
9333	3.970021	46
9334	3.970068	47
9335	3.970114	46
9336	3.970161	47
9337	3.970207	46
9338	3.970254	47
9339	3.970300	46
9340	3.970347	47
9341	3.970393	46
9342	3.970440	47
9343	3.970486	46
9344	3.970533	47
9345	3.970579	46
9346	3.970626	47
9347	3.970672	46
9348	3.970719	47
9349	3.970765	46
9350	3.970812	47

Nomb.	2. 35' 50" Logarith.	Dif.
9350	3.970812	
9351	3.970858	46
9352	3.970904	46
9353	3.970951	47
9354	3.970997	46
9355	3.971044	47
9356	3.971090	46
9357	3.971137	47
9358	3.971183	46
9359	3.971229	46
9360	3.971276	47
9361	3.971322	46
9362	3.971369	47
9363	3.971415	46
9364	3.971461	46
9365	3.971508	47
9366	3.971554	46
9367	3.971601	47
9368	3.971647	46
9369	3.971693	46
9370	3.971740	47
9371	3.971786	46
9372	3.971832	46
9373	3.971879	47
9374	3.971925	46
9375	3.971971	46
9376	3.972018	47
9377	3.972064	46
9378	3.972110	46
9379	3.972157	47
9380	3.972203	46
9381	3.972249	46
9382	3.972295	46
9383	3.972342	47
9384	3.972388	46
9385	3.972434	46
9386	3.972481	47
9387	3.972527	46
9388	3.972573	46
9389	3.972619	46
9390	3.972666	47
9391	3.972712	46
9392	3.972758	46
9393	3.972804	46
9394	3.972851	47
9395	3.972897	46
9396	3.972943	46
9397	3.972989	46
9398	3.973035	46
9399	3.973082	47
9400	3.973128	46

Nomb.	2. 36. 40" Logarith.	Dif.
9400	3.973128	
9401	3.973174	46
9402	3.973220	46
9403	3.973266	46
9404	3.973313	47
9405	3.973359	46
9406	3.973405	46
9407	3.973451	46
9408	3.973497	46
9409	3.973543	46
9410	3.973590	47
9411	3.973636	46
9412	3.973682	46
9413	3.973728	46
9414	3.973774	46
9415	3.973820	46
9416	3.973866	46
9417	3.973913	47
9418	3.973959	46
9419	3.974005	46
9420	3.974051	46
9421	3.974097	46
9422	3.974143	46
9423	3.974189	46
9424	3.974235	46
9425	3.974281	46
9426	3.974327	46
9427	3.974374	47
9428	3.974420	46
9429	3.974466	46
9430	3.974512	46
9431	3.974558	46
9432	3.974604	46
9433	3.974650	46
9434	3.974696	46
9435	3.974742	46
9436	3.974788	46
9437	3.974834	46
9438	3.974880	46
9439	3.974926	46
9440	3.974972	46
9441	3.975018	46
9442	3.975064	46
9443	3.975110	46
9444	3.975156	46
9445	3.975202	46
9446	3.975248	46
9447	3.975294	46
9448	3.975340	46
9449	3.975386	46
9450	3.975432	46

Nomb.	2. 37′ 30″ Logarith.	Dif.
9450	3.975432	46
9451	3.975478	46
9452	3.975524	46
9453	3.975570	46
9454	3.975616	46
9455	3.975662	45
9456	3.975707	46
9457	3.975753	46
9458	3.975799	46
9459	3.975845	46
9460	3.975891	46
9461	3.975937	46
9462	3.975983	46
9463	3.976029	46
9464	3.976075	46
9465	3.976121	45
9466	3.976166	46
9467	3.976212	46
9468	3.976258	46
9469	3.976304	46
9470	3.976350	46
9471	3.976396	46
9472	3.976442	46
9473	3.976488	45
9474	3.976533	46
9475	3.976579	46
9476	3.976625	46
9477	3.976671	46
9478	3.976717	46
9479	3.976763	45
9480	3.976808	46
9481	3.976854	46
9482	3.976900	46
9483	3.976946	46
9484	3.976992	45
9485	3.977037	46
9486	3.977083	46
9487	3.977129	46
9488	3.977175	45
9489	3.977220	46
9490	3.977266	46
9491	3.977312	46
9492	3.977358	45
9493	3.977403	46
9494	3.977449	46
9495	3.977495	46
9496	3.977541	45
9497	3.977586	46
9498	3.977632	46
9499	3.977678	46
9500	3.977724	

Nomb.	2. 38′ 20″ Logarith.	Dif.
9500	3.977724	45
9501	3.977769	46
9502	3.977815	46
9503	3.977861	45
9504	3.977906	46
9505	3.977952	46
9506	3.977998	45
9507	3.978043	46
9508	3.978089	46
9509	3.978135	46
9510	3.978181	45
9511	3.978226	46
9512	3.978272	45
9513	3.978317	46
9514	3.978363	46
9515	3.978409	45
9516	3.978454	46
9517	3.978500	46
9518	3.978546	45
9519	3.978591	46
9520	3.978637	46
9521	3.978683	45
9522	3.978728	46
9523	3.978774	45
9524	3.978819	46
9525	3.978865	46
9526	3.978911	45
9527	3.978956	46
9528	3.979002	45
9529	3.979047	46
9530	3.979093	45
9531	3.979138	46
9532	3.979184	46
9533	3.979230	45
9534	3.979275	46
9535	3.979321	45
9536	3.979366	46
9537	3.979412	45
9538	3.979457	46
9539	3.979503	45
9540	3.979548	46
9541	3.979594	45
9542	3.979639	46
9543	3.979685	45
9544	3.979730	46
9545	3.979776	45
9546	3.979821	46
9547	3.979867	45
9548	3.979912	46
9549	3.979958	45
9550	3.980003	

Nomb.	2. 39′ 10″ Logarith.	Dif.
9550	3.980003	46
9551	3.980049	45
9552	3.980094	46
9553	3.980140	45
9554	3.980185	46
9555	3.980231	45
9556	3.980276	46
9557	3.980322	45
9558	3.980367	45
9559	3.980412	46
9560	3.980458	45
9561	3.980503	46
9562	3.980549	45
9563	3.980594	46
9564	3.980640	45
9565	3.980685	45
9566	3.980730	46
9567	3.980776	45
9568	3.980821	46
9569	3.980867	45
9570	3.980912	45
9571	3.980957	46
9572	3.981003	45
9573	3.981048	45
9574	3.981093	46
9575	3.981139	45
9576	3.981184	45
9577	3.981229	46
9578	3.981275	45
9579	3.981320	46
9580	3.981366	45
9581	3.981411	45
9582	3.981456	45
9583	3.981501	46
9584	3.981547	45
9585	3.981592	45
9586	3.981637	46
9587	3.981683	45
9588	3.981728	45
9589	3.981773	46
9590	3.981819	45
9591	3.981864	45
9592	3.981909	45
9593	3.981954	46
9594	3.982000	45
9595	3.982045	45
9596	3.982090	45
9597	3.982135	46
9598	3.982181	45
9599	3.982226	45
9600	3.982271	

Nomb.	2. 40′ 0″ Logarith.	Dif.
9600	3.982271	45
9601	3.982316	46
9602	3.982362	45
9603	3.982407	45
9604	3.982452	45
9605	3.982497	46
9606	3.982543	45
9607	3.982588	45
9608	3.982633	45
9609	3.982678	45
9610	3.982723	46
9611	3.982769	45
9612	3.982814	45
9613	3.982859	45
9614	3.982904	45
9615	3.982949	45
9616	3.982994	46
9617	3.983040	45
9618	3.983085	45
9619	3.983130	45
9620	3.983175	45
9621	3.983220	45
9622	3.983265	45
9623	3.983310	46
9624	3.983356	45
9625	3.983401	45
9626	3.983446	45
9627	3.983491	45
9628	3.983536	45
9629	3.983581	45
9630	3.983626	45
9631	3.983671	45
9632	3.983716	46
9633	3.983762	45
9634	3.983807	45
9635	3.983852	45
9636	3.983897	45
9637	3.983942	45
9638	3.983987	45
9639	3.984032	45
9640	3.984077	45
9641	3.984122	45
9642	3.984167	45
9643	3.984212	45
9644	3.984257	45
9645	3.984302	45
9646	3.984347	45
9647	3.984392	45
9648	3.984437	45
9649	3.984482	45
9650	3.984527	45

Nomb.	2. 40′ 50″ Logarith.	Dif.
9650	3.984527	45
9651	3.984572	45
9652	3.984617	45
9653	3.984662	45
9654	3.984707	45
9655	3.984752	45
9656	3.984797	45
9657	3.984842	45
9658	3.984887	45
9659	3.984932	45
9660	3.984977	45
9661	3.985022	45
9662	3.985067	45
9663	3.985112	45
9664	3.985157	45
9665	3.985202	45
9666	3.985247	45
9667	3.985292	45
9668	3.985337	45
9669	3.985382	44
9670	3.985426	45
9671	3.985471	45
9672	3.985516	45
9673	3.985561	45
9674	3.985606	45
9675	3.985651	45
9676	3.985696	45
9677	3.985741	45
9678	3.985786	44
9679	3.985830	45
9680	3.985875	45
9681	3.985920	45
9682	3.985965	45
9683	3.986010	45
9684	3.986055	45
9685	3.986100	44
9686	3.986144	45
9687	3.986189	45
9688	3.986234	45
9689	3.986279	45
9690	3.986324	45
9691	3.986369	44
9692	3.986413	45
9693	3.986458	45
9694	3.986503	45
9695	3.986548	45
9696	3.986593	44
9697	3.986637	45
9698	3.986682	45
9699	3.986727	45
9700	3.986772	

Nomb.	2. 41′ 40″ Logarith.	Dif.
9700	3.986772	44
9701	3.986816	45
9702	3.986861	45
9703	3.986906	45
9704	3.986951	45
9705	3.986996	44
9706	3.987040	45
9707	3.987085	45
9708	3.987130	45
9709	3.987175	44
9710	3.987219	45
9711	3.987264	45
9712	3.987309	44
9713	3.987353	45
9714	3.987398	45
9715	3.987443	45
9716	3.987488	44
9717	3.987532	45
9718	3.987577	45
9719	3.987622	44
9720	3.987666	45
9721	3.987711	45
9722	3.987756	44
9723	3.987800	45
9724	3.987845	45
9725	3.987890	44
9726	3.987934	45
9727	3.987979	45
9728	3.988024	44
9729	3.988068	45
9730	3.988113	44
9731	3.988157	45
9732	3.988202	45
9733	3.988247	44
9734	3.988291	45
9735	3.988336	45
9736	3.988381	44
9737	3.988425	45
9738	3.988470	44
9739	3.988514	45
9740	3.988559	45
9741	3.988604	44
9742	3.988648	45
9743	3.988693	44
9744	3.988737	45
9745	3.988782	44
9746	3.988826	45
9747	3.988871	45
9748	3.988916	44
9749	3.988960	45
9750	3.989005	

Nomb.	2. 42' 30" Logarith.	Dif.
9750	3.989005	
9751	3.989049	44
9752	3.989094	45
9753	3.989138	44
9754	3.989183	45
9755	3.989227	44
9756	3.989272	45
9757	3.989316	44
9758	3.989361	45
9759	3.989405	44
9760	3.989450	45
9761	3.989494	44
9762	3.989539	45
9763	3.989583	44
9764	3.989628	45
9765	3.989672	44
9766	3.989717	45
9767	3.989761	44
9768	3.989806	45
9769	3.989850	44
9770	3.989895	45
9771	3.989939	44
9772	3.989983	44
9773	3.990028	45
9774	3.990072	44
9775	3.990117	45
9776	3.990161	44
9777	3.990206	45
9778	3.990250	44
9779	3.990294	44
9780	3.990339	45
9781	3.990383	44
9782	3.990428	45
9783	3.990472	44
9784	3.990516	44
9785	3.990561	45
9786	3.990605	44
9787	3.990650	45
9788	3.990694	44
9789	3.990738	44
9790	3.990783	45
9791	3.990827	44
9792	3.990871	44
9793	3.990916	45
9794	3.990960	44
9795	3.991004	44
9796	3.991049	45
9797	3.991093	44
9798	3.991137	44
9799	3.991182	45
9800	3.991226	44

Nomb.	2. 43' 20" Logarith.	Dif.
9800	3.991226	
9801	3.991270	44
9802	3.991315	45
9803	3.991359	44
9804	3.991403	44
9805	3.991448	45
9806	3.991492	44
9807	3.991536	44
9808	3.991580	44
9809	3.991625	45
9810	3.991669	44
9811	3.991713	44
9812	3.991758	45
9813	3.991802	44
9814	3.991846	44
9815	3.991890	44
9816	3.991935	45
9817	3.991979	44
9818	3.992023	44
9819	3.992067	44
9820	3.992111	44
9821	3.992156	45
9822	3.992200	44
9823	3.992244	44
9824	3.992288	44
9825	3.992333	45
9826	3.992377	44
9827	3.992421	44
9828	3.992465	44
9829	3.992509	44
9830	3.992554	45
9831	3.992598	44
9832	3.992642	44
9833	3.992686	44
9834	3.992730	44
9835	3.992774	44
9836	3.992819	45
9837	3.992863	44
9838	3.992907	44
9839	3.992951	44
9840	3.992995	44
9841	3.993039	44
9842	3.993083	44
9843	3.993127	44
9844	3.993172	45
9845	3.993216	44
9846	3.993260	44
9847	3.993304	44
9848	3.993348	44
9849	3.993392	44
9850	3.993436	44

Nomb.	2. 44' 10" Logarith.	Dif.
9850	3.993436	
9851	3.993480	44
9852	3.993524	44
9853	3.993568	44
9854	3.993613	45
9855	3.993657	44
9856	3.993701	44
9857	3.993745	44
9858	3.993789	44
9859	3.993833	44
9860	3.993877	44
9861	3.993921	44
9862	3.993965	44
9863	3.994009	44
9864	3.994053	44
9865	3.994097	44
9866	3.994141	44
9867	3.994185	44
9868	3.994229	44
9869	3.994273	44
9870	3.994317	44
9871	3.994361	44
9872	3.994405	44
9873	3.994449	44
9874	3.994493	44
9875	3.994537	44
9876	3.994581	44
9877	3.994625	44
9878	3.994669	44
9879	3.994713	44
9880	3.994757	44
9881	3.994801	44
9882	3.994845	44
9883	3.994889	44
9884	3.994933	44
9885	3.994977	44
9886	3.995021	44
9887	3.995065	43
9888	3.995108	44
9889	3.995152	44
9890	3.995196	44
9891	3.995240	44
9892	3.995284	44
9893	3.995328	44
9894	3.995372	44
9895	3.995416	44
9896	3.995460	44
9897	3.995504	43
9898	3.995547	44
9899	3.995591	44
9900	3.995635	

Nomb.	2. 45' 0" Logarith.	Dif.
9900	3.995635	
9901	3.995679	44
9902	3.995723	44
9903	3.995767	44
9904	3.995811	44
9905	3.995854	43
9906	3.995898	44
9907	3.995942	44
9908	3.995986	44
9909	3.996030	44
9910	3.996074	44
9911	3.996117	43
9912	3.996161	44
9913	3.996205	44
9914	3.996249	44
9915	3.996293	44
9916	3.996337	44
9917	3.996380	43
9918	3.996424	44
9919	3.996468	44
9920	3.996512	44
9921	3.996555	43
9922	3.996599	44
9923	3.996643	44
9924	3.996687	44
9925	3.996731	44
9926	3.996774	43
9927	3.996818	44
9928	3.996862	44
9929	3.996906	44
9930	3.996949	43
9931	3.996993	44
9932	3.997037	44
9933	3.997080	43
9934	3.997124	44
9935	3.997168	44
9936	3.997212	44
9937	3.997255	43
9938	3.997299	44
9939	3.997343	44
9940	3.997386	43
9941	3.997430	44
9942	3.997474	44
9943	3.997517	43
9944	3.997561	44
9945	3.997605	44
9946	3.997648	43
9947	3.997692	44
9948	3.997736	44
9949	3.997779	43
9950	3.997823	44

Nomb.	2. 45' 50" Logarith.	Dif.
9950	3.997823	
9951	3.997867	44
9952	3.997910	43
9953	3.997954	44
9954	3.997998	44
9955	3.998041	43
9956	3.998085	44
9957	3.998129	44
9958	3.998172	43
9959	3.998216	44
9960	3.998259	43
9961	3.998303	44
9962	3.998347	44
9963	3.998390	43
9964	3.998434	44
9965	3.998477	43
9966	3.998521	44
9967	3.998564	43
9968	3.998608	44
9969	3.998652	44
9970	3.998695	43
9971	3.998739	44
9972	3.998782	43
9973	3.998826	44
9974	3.998869	43
9975	3.998913	44
9976	3.998956	43
9977	3.999000	44
9978	3.999043	43
9979	3.999087	44
9980	3.999131	44
9981	3.999174	43
9982	3.999218	44
9983	3.999261	43
9984	3.999305	44
9985	3.999348	43
9986	3.999392	44
9987	3.999435	43
9988	3.999479	44
9989	3.999522	43
9990	3.999565	43
9991	3.999609	44
9992	3.999652	43
9993	3.999696	44
9994	3.999739	43
9995	3.999783	44
9996	3.999826	43
9997	3.999870	44
9998	3.999913	43
9999	3.999957	44
10000	4.000000	43

Nomb.	2. 46' 40" Logarith.	D.
10000	4.000000	
10001	4.000043	43
10002	4.000087	44
10003	4.000130	43
10004	4.000174	44
10005	4.000217	43
10006	4.000260	43
10007	4.000304	44
10008	4.000347	43
10009	4.000391	44
10010	4.000434	43
10011	4.000477	43
10012	4.000521	44
10013	4.000564	43
10014	4.000608	44
10015	4.000651	43
10016	4.000694	43
10017	4.000738	44
10018	4.000781	43
10019	4.000824	43
10020	4.000868	44
10021	4.000911	43
10022	4.000954	43
10023	4.000998	44
10024	4.001041	43
10025	4.001084	43
10026	4.001128	44
10027	4.001171	43
10028	4.001214	43
10029	4.001258	44
10030	4.001301	43
10031	4.001344	43
10032	4.001388	44
10033	4.001431	43
10034	4.001474	43
10035	4.001517	43
10036	4.001561	44
10037	4.001604	43
10038	4.001647	43
10039	4.001690	43
10040	4.001734	44
10041	4.001777	43
10042	4.001820	43
10043	4.001863	43
10044	4.001907	44
10045	4.001950	43
10046	4.001993	43
10047	4.002036	43
10048	4.002080	44
10049	4.002123	43
10050	4.002166	43

Nomb.	2. 47' 30" Logarith.	D.
10050	4.002166	
10051	4.002209	43
10052	4.002252	43
10053	4.002296	44
10054	4.002339	43
10055	4.002382	43
10056	4.002425	43
10057	4.002468	43
10058	4.002512	44
10059	4.002555	43
10060	4.002598	43
10061	4.002641	43
10062	4.002684	43
10063	4.002727	43
10064	4.002771	44
10065	4.002814	43
10066	4.002857	43
10067	4.002900	43
10068	4.002943	43
10069	4.002986	43
10070	4.003029	43
10071	4.003073	44
10072	4.003116	43
10073	4.003159	43
10074	4.003202	43
10075	4.003245	43
10076	4.003288	43
10077	4.003331	43
10078	4.003374	43
10079	4.003417	44
10080	4.003461	43
10081	4.003504	43
10082	4.003547	43
10083	4.003590	43
10084	4.003633	43
10085	4.003676	43
10086	4.003719	43
10087	4.003762	43
10088	4.003805	43
10089	4.003848	43
10090	4.003891	43
10091	4.003934	43
10092	4.003977	43
10093	4.004020	43
10094	4.004063	43
10095	4.004106	43
10096	4.004149	43
10097	4.004192	43
10098	4.004235	43
10099	4.004278	43
10100	4.004321	

Nomb.	2. 48' 20" Logarith.	D.
10100	4.004321	
10101	4.004364	43
10102	4.004407	43
10103	4.004450	43
10104	4.004493	43
10105	4.004536	43
10106	4.004579	43
10107	4.004622	43
10108	4.004665	43
10109	4.004708	43
10110	4.004751	43
10111	4.004794	43
10112	4.004837	43
10113	4.004880	43
10114	4.004923	43
10115	4.004966	43
10116	4.005009	43
10117	4.005052	43
10118	4.005095	43
10119	4.005138	43
10120	4.005181	42
10121	4.005223	43
10122	4.005266	43
10123	4.005309	43
10124	4.005352	43
10125	4.005395	43
10126	4.005438	43
10127	4.005481	43
10128	4.005524	43
10129	4.005567	42
10130	4.005609	43
10131	4.005652	43
10132	4.005695	43
10133	4.005738	43
10134	4.005781	43
10135	4.005824	43
10136	4.005867	42
10137	4.005909	43
10138	4.005952	43
10139	4.005995	43
10140	4.006038	43
10141	4.006081	43
10142	4.006124	42
10143	4.006166	43
10144	4.006209	43
10145	4.006252	43
10146	4.006295	43
10147	4.006338	42
10148	4.006380	43
10149	4.006423	43
10150	4.006466	

Nomb.	2. 49' 10" Logarith.	D.
10150	4.006466	
10151	4.006509	43
10152	4.006552	43
10153	4.006594	42
10154	4.006637	43
10155	4.006680	43
10156	4.006723	43
10157	4.006765	42
10158	4.006808	43
10159	4.006851	43
10160	4.006894	43
10161	4.006936	42
10162	4.006979	43
10163	4.007022	43
10164	4.007065	43
10165	4.007107	42
10166	4.007150	43
10167	4.007193	43
10168	4.007236	43
10169	4.007278	42
10170	4.007321	43
10171	4.007364	43
10172	4.007406	42
10173	4.007449	43
10174	4.007492	43
10175	4.007534	42
10176	4.007577	43
10177	4.007620	43
10178	4.007662	42
10179	4.007705	43
10180	4.007748	43
10181	4.007790	42
10182	4.007833	43
10183	4.007876	43
10184	4.007918	42
10185	4.007961	43
10186	4.008004	43
10187	4.008046	42
10188	4.008089	43
10189	4.008132	43
10190	4.008174	42
10191	4.008217	43
10192	4.008259	42
10193	4.008302	43
10194	4.008345	43
10195	4.008387	42
10196	4.008430	43
10197	4.008472	42
10198	4.008515	43
10199	4.008558	43
10200	4.008600	42

Nomb.	2. 50′ 0″ Logarith.	D.
10200	4.008600	
10201	4.008643	43
10202	4.008685	42
10203	4.008728	43
10204	4.008770	42
10205	4.008813	43
10206	4.008856	43
10207	4.008898	42
10208	4.008941	43
10209	4.008983	42
10210	4.009026	43
10211	4.009068	42
10212	4.009111	43
10213	4.009153	42
10214	4.009196	43
10215	4.009238	42
10216	4.009281	43
10217	4.009323	42
10218	4.009366	43
10219	4.009408	42
10220	4.009451	43
10221	4.009493	42
10222	4.009536	43
10223	4.009578	42
10224	4.009621	43
10225	4.009663	42
10226	4.009706	43
10227	4.009748	42
10228	4.009791	43
10229	4.009833	42
10230	4.009876	43
10231	4.009918	42
10232	4.009961	43
10233	4.010003	42
10234	4.010045	42
10235	4.010088	43
10236	4.010130	42
10237	4.010173	43
10238	4.010215	42
10239	4.010258	43
10240	4.010300	42
10241	4.010342	42
00242	4.010385	43
10243	4.010427	42
10244	4.010470	43
10245	4.010512	42
10246	4.010554	42
10247	4.010597	43
10248	4.010639	42
10249	4.010681	42
10250	4.010724	43

Nomb.	2. 50′ 50″ Logarith.	D.
10250	4.010724	
10251	4.010766	42
10252	4.010809	43
10253	4.010851	42
10254	4.010893	42
10255	4.010936	43
10256	4.010978	42
10257	4.011020	42
10258	4.011063	43
10259	4.011105	42
10260	4.011147	42
10261	4.011190	43
10262	4.011232	42
10263	4.011274	42
10264	4.011317	43
10265	4.011359	42
10266	4.011401	42
10267	4.011444	43
10268	4.011486	42
10269	4.011528	42
10270	4.011570	42
10271	4.011613	43
10272	4.011655	42
10273	4.011697	42
10274	4.011740	43
10275	4.011782	42
10276	4.011824	42
10277	4.011866	42
10278	4.011909	43
10279	4.011951	42
10280	4.011993	42
10281	4.012035	42
10282	4.012078	43
10283	4.012120	42
10284	4.012162	42
10285	4.012204	42
10286	4.012247	43
10287	4.012289	42
10288	4.012331	42
10289	4.012373	42
10290	4.012415	42
10291	4.012458	43
10292	4.012500	42
10293	4.012542	42
10294	4.012584	42
10295	4.012626	42
10296	4.012669	43
10297	4.012711	42
10298	4.012753	42
10299	4.012795	42
10300	4.012837	42

Nomb.	2. 51′ 40″ Logarith.	D.
10300	4.012837	
10301	4.012879	42
10302	4.012922	43
10303	4.012964	42
10304	4.013006	42
10305	4.013048	42
10306	4.013090	42
10307	4.013132	42
10308	4.013174	42
10309	4.013217	43
10310	4.013259	42
10311	4.013301	42
10312	4.013343	42
10313	4.013385	42
10314	4.013427	42
10315	4.013469	42
10316	4.013511	42
10317	4.013553	43
10318	4.013596	42
10319	4.013638	42
10320	4.013680	42
10321	4.013722	42
10322	4.013764	42
10323	4.013806	42
10324	4.013848	42
10325	4.013890	42
10326	4.013932	42
10327	4.013974	42
10328	4.014016	42
10329	4.014058	42
10330	4.014100	42
10331	4.014142	42
10332	4.014184	42
10333	4.014226	42
10334	4.014268	42
10335	4.014310	43
10336	4.014353	42
10337	4.014395	42
10338	4.014437	42
10339	4.014479	42
10340	4.014521	42
10341	4.014563	42
10342	4.014605	42
10343	4.014647	42
10344	4.014689	41
10345	4.014730	42
10346	4.014772	42
10347	4.014814	42
10348	4.014856	42
10349	4.014898	42
10350	4.014940	

Nomb.	2. 52′ 30″ Logarith.	D.
10350	4.014940	
10351	4.014982	42
10352	4.015024	42
10353	4.015066	42
10354	4.015108	42
10355	4.015150	42
10356	4.015192	42
10357	4.015234	42
10358	4.015276	42
10359	4.015318	42
10360	4.015360	42
10361	4.015402	42
10362	4.015444	42
10363	4.015485	41
10364	4.015527	42
10365	4.015569	42
10366	4.015611	42
10367	4.015653	42
10368	4.015695	42
10369	4.015737	42
10370	4.015779	42
10371	4.015821	42
10372	4.015863	42
10373	4.015904	41
10374	4.015946	42
10375	4.015988	42
10376	4.016030	42
10377	4.016072	42
10378	4.016114	42
10379	4.016156	42
10380	4.016197	41
10381	4.016239	42
10382	4.016281	42
10383	4.016323	42
10384	4.016365	42
10385	4.016407	42
10386	4.016448	41
10387	4.016490	42
10388	4.016532	42
10389	4.016574	42
10390	4.016616	42
10391	4.016657	41
10392	4.016699	42
10393	4.016741	42
10394	4.016783	42
10395	4.016824	41
10396	4.016866	42
10397	4.016908	42
10398	4.016950	42
10399	4.016992	42
10400	4.017033	41

Nomb.	2. 53′ 20″ Logarith.	D.
10400	4.017033	
10401	4.017075	42
10402	4.017117	42
10403	4.017159	42
10404	4.017200	41
10405	4.017242	42
10406	4.017284	42
10407	4.017326	42
10408	4.017367	41
10409	4.017409	42
10410	4.017451	42
10411	4.017492	41
10412	4.017534	42
10413	4.017576	42
10414	4.017618	42
10415	4.017659	41
10416	4.017701	42
10417	4.017743	42
10418	4.017784	41
10419	4.017826	42
10420	4.017868	42
10421	4.017909	41
10422	4.017951	42
10423	4.017993	42
10424	4.018034	41
10425	4.018076	42
10426	4.018118	42
10427	4.018159	41
10428	4.018201	42
10429	4.018243	42
10430	4.018284	41
10431	4.018326	42
10432	4.018368	42
10433	4.018409	41
10434	4.018451	42
10435	4.018492	41
10436	4.018534	42
10437	4.018576	42
10438	4.018617	41
10439	4.018659	42
10440	4.018700	41
10441	4.018742	42
10442	4.018784	42
10443	4.018825	41
10444	4.018867	42
10445	4.018908	41
10446	4.018950	42
10447	4.018992	42
10448	4.019033	41
10449	4.019075	42
10450	4.019116	41

Nomb.	2. 54′ 10″ Logarith.	D.
10450	4.019116	
10451	4.019158	42
10452	4.019199	41
10453	4.019241	42
10454	4.019282	41
10455	4.019324	42
10456	4.019366	42
10457	4.019407	41
10458	4.019449	42
10459	4.019490	41
10460	4.019532	42
10461	4.019573	41
10462	4.019615	42
10463	4.019656	41
10464	4.019698	42
10465	4.019739	41
10466	4.019781	42
10467	4.019822	41
10468	4.019864	42
10469	4.019905	41
10470	4.019947	42
10471	4.019988	41
10472	4.020030	42
10473	4.020071	41
10474	4.020113	42
10475	4.020154	41
10476	4.020195	41
10477	4.020237	42
10478	4.020278	41
10479	4.020320	42
10480	4.020361	41
10481	4.020403	42
10482	4.020444	41
10483	4.020486	42
10484	4.020527	41
10485	4.020568	41
10486	4.020610	42
10487	4.020651	41
10488	4.020693	42
10489	4.020734	41
10490	4.020775	41
10491	4.020817	42
10492	4.020858	41
10493	4.020900	42
10494	4.020941	41
10495	4.020982	41
10496	4.021024	42
10497	4.021065	41
10498	4.021107	42
10499	4.021148	41
10500	4.021189	41

Nomb.	2. 55′ 0″ Logarith.	D.	Nomb.	2. 55′ 50″ Logarith.	D.	Nomb.	2. 56′ 40″ Logarith.	D.
10500	4.021189		10550	4.023252		10600	4.025306	
10501	4.021231	42	10551	4.023294	42	10601	4.025347	41
10502	4.021272	41	10552	4.023335	41	10602	4.025388	41
10503	4.021313	41	10553	4.023376	41	10603	4.025429	41
10504	4.021355	42	10554	4.023417	41	10604	4.025470	41
10505	4.021396	41	10555	4.023458	41	10605	4.025511	41
10506	4.021437	41	10556	4.023499	41	10606	4.025552	41
10507	4.021479	42	10557	4.023541	42	10607	4.025593	41
10508	4.021520	41	10558	4.023582	41	10608	4.025634	41
10509	4.021561	41	10559	4.023623	41	10609	4.025674	40
10510	4.021603	42	10560	4.023664	41	10610	4.025715	41
10511	4.021644	41	10561	4.023705	41	10611	4.025756	41
10512	4.021685	41	10562	4.023746	41	10612	4.025797	41
10513	4.021727	42	10563	4.023787	41	10613	4.025838	41
10514	4.021768	41	10564	4.023828	41	10614	4.025879	41
10515	4.021809	41	10565	4.023870	42	10615	4.025920	41
10516	4.021851	42	10566	4.023911	41	10616	4.025961	41
10517	4.021892	41	10567	4.023952	41	10617	4.026002	41
10518	4.021933	41	10568	4.023993	41	10618	4.026043	41
10519	4.021974	41	10569	4.024034	41	10619	4.026084	41
10520	4.022016	42	10570	4.024075	41	10620	4.026125	41
10521	4.022057	41	10571	4.024116	41	10621	4.026165	40
10522	4.022098	41	10572	4.024157	41	10622	4.026206	41
10523	4.022140	42	10573	4.024198	41	10623	4.026247	41
10524	4.022181	41	10574	4.024239	41	10624	4.026288	41
10525	4.022222	41	10575	4.024280	41	10625	4.026329	41
10526	4.022263	42	10576	4.024321	42	10626	4.026370	41
10527	4.022305	41	10577	4.024363	41	10627	4.026411	41
10528	4.022346	41	10578	4.024404	41	10628	4.026452	40
10529	4.022387	41	10579	4.024445	41	10629	4.026492	41
10530	4.022428	42	10580	4.024486	41	10630	4.026533	41
10531	4.022470	41	10581	4.024527	41	10631	4.026574	41
10532	4.022511	41	10582	4.024568	41	10632	4.026615	41
10533	4.022552	41	10583	4.024609	41	10633	4.026656	41
10534	4.022593	42	10584	4.024650	41	10634	4.026697	40
10535	4.022635	41	10585	4.024691	41	10635	4.026737	41
10536	4.022676	41	10586	4.024732	41	10636	4.026778	41
10537	4.022717	41	10587	4.024773	41	10637	4.026819	41
10538	4.022758	41	10588	4.024814	41	10638	4.026860	41
10539	4.022799	42	10589	4.024855	41	10639	4.026901	41
10540	4.022841	41	10590	4.024896	41	10640	4.026942	40
10541	4.022882	41	10591	4.024937	41	10641	4.026982	41
10542	4.022923	41	10592	4.024978	41	10642	4.027023	41
10543	4.022964	41	10593	4.025019	41	10643	4.027064	41
10544	4.023005	42	10594	4.025060	41	10644	4.027105	41
10545	4.023047	41	10595	4.025101	41	10645	4.027146	40
10546	4.023088	41	10596	4.025142	41	10646	4.027186	41
10547	4.023129	41	10597	4.025183	41	10647	4.027227	41
10548	4.023170	41	10598	4.025224	41	10648	4.027268	41
10549	4.023211	41	10599	4.025265	41	10649	4.027309	41
10550	4.023252		10600	4.025306		10650	4.027350	

Nomb.	2. 57′ 30″ Logarith.	D.
10650	4.027350	40
10651	4.027390	41
10652	4.027431	41
10653	4.027472	41
10654	4.027513	40
10655	4.027553	41
10656	4.027594	41
10657	4.027635	41
10658	4.027676	40
10659	4.027716	41
10660	4.027757	41
10661	4.027798	41
10662	4.027839	40
10663	4.027879	41
10664	4.027920	41
10665	4.027961	41
10666	4.028002	40
10667	4.028042	41
10668	4.028083	41
10669	4.028124	40
10670	4.028164	41
10671	4.028205	41
10672	4.028246	41
10673	4.028287	40
10674	4.028327	41
10675	4.028368	41
10676	4.028409	40
10677	4.028449	41
10678	4.028490	41
10679	4.028531	40
10680	4.028571	41
10681	4.028612	41
10682	4.028653	40
10683	4.028693	41
10684	4.028734	41
10685	4.028775	40
10686	4.028815	41
10687	4.028856	40
10688	4.028896	41
10689	4.028937	41
10690	4.028978	40
10691	4.029018	41
10692	4.029059	41
10693	4.029100	40
10694	4.029140	41
10695	4.029181	40
10696	4.029221	41
10697	4.029262	41
10698	4.029303	40
10699	4.029343	41
10700	4.029384	

Nomb.	2. 58″ 20″ Logarith.	D.
10700	4.029384	40
10701	4.029424	41
10702	4.029465	41
10703	4.029506	40
10704	4.029546	41
10705	4.029587	40
10706	4.029627	41
10707	4.029668	40
10708	4.029708	41
10709	4.029749	40
10710	4.029789	41
10711	4.029830	41
10712	4.029871	40
10713	4.029911	41
10714	4.029952	40
10715	4.029992	41
10716	4.030033	40
10717	4.030073	41
10718	4.030114	40
10719	4.030154	41
10720	4.030195	40
10721	4.030235	41
10722	4.030276	40
10723	4.030316	41
10724	4.030357	40
10725	4.030397	41
10726	4.030438	40
10727	4.030478	41
10728	4.030519	40
10729	4.030559	41
10730	4.030600	40
10731	4.030640	41
10732	4.030681	40
10733	4.030721	41
10734	4.030762	40
10735	4.030802	41
10736	4.030843	40
10737	4.030883	40
10738	4.030923	41
10739	4.030964	40
10740	4.031004	41
10741	4.031045	40
10742	4.031085	41
10743	4.031126	40
10744	4.031166	40
10745	4.031206	41
10746	4.031247	40
10747	4.031287	41
10748	4.031328	40
10749	4.031368	40
10750	4.031408	

Nomb.	2. 59′ 10″ Logarith.	D.
10750	4.031408	41
10751	4.031449	40
10752	4.031489	41
10753	4.031530	40
10754	4.031570	40
10755	4.031610	41
10756	4.031651	40
10757	4.031691	41
10758	4.031732	40
10759	4.031772	40
10760	4.031812	41
10761	4.031853	40
10762	4.031893	40
10763	4.031933	41
10764	4.031974	40
10765	4.032014	40
10766	4.032054	41
10767	4.032095	40
10768	4.032135	40
10769	4.032175	41
10770	4.032216	40
10771	4.032256	40
10772	4.032296	41
10773	4.032337	40
10774	4.032377	40
10775	4.032417	41
10776	4.032458	40
10777	4.032498	40
10778	4.032538	40
10779	4.032578	41
10780	4.032619	40
10781	4.032659	40
10782	4.032699	41
10783	4.032740	40
10784	4.032780	40
10785	4.032820	40
10786	4.032860	41
10787	4.032901	40
10788	4.032941	40
10789	4.032981	40
10790	4.033021	41
10791	4.033062	40
10792	4.033102	40
10793	4.033142	40
10794	4.033182	41
10795	4.033223	40
10796	4.033263	40
10797	4.033303	40
10798	4.033343	41
10799	4.033384	40
10800	4.033424	

Nomb.	3. 0′ 0″ Logarith.	D.
10800	4.033424	40
10801	4.033464	40
10802	4.033504	40
10803	4.033544	41
10804	4.033585	40
10805	4.033625	40
10806	4.033665	40
10807	4.033705	40
10808	4.033745	41
10809	4.033786	40
10810	4.033826	40
10811	4.033866	40
10812	4.033906	40
10813	4.033946	40
10814	4.033986	41
10815	4.034027	40
10816	4.034067	40
10817	4.034107	40
10818	4.034147	40
10819	4.034187	40
10820	4.034227	40
10821	4.034267	41
10822	4.034308	40
10823	4.234348	40
10824	4.034388	40
10825	4.034428	40
10826	4.034468	40
10827	4.034508	40
10828	4.034548	40
10829	4.034588	40
10830	4.034628	41
10831	4.034669	40
10832	4.034709	40
10833	4.034749	40
10834	4.034789	40
10835	4.034829	40
10836	4.034869	40
10837	4.034909	40
10838	4.034949	40
10839	4.034989	40
10840	4.035029	40
10841	4.035069	40
10842	4.035109	40
10843	4.035149	41
10844	4.035190	40
10845	4.035230	40
10846	4.035270	40
10847	4.035310	40
10848	4.035350	40
10849	4.035390	40
10850	4.035430	40

Nomb.	3. 0′ 50″ Logarith.	D.
10850	4.035430	40
10851	4.035470	40
10852	4.035510	40
10853	4.035550	40
10854	4.035590	40
10855	4.035630	40
10856	4.035670	40
10857	4.035710	40
10858	4.035750	40
10859	4.035790	40
10860	4.035830	40
10861	4.035870	40
10862	4.035910	40
10863	4.035950	40
10864	4.035990	40
10865	4.036030	40
10866	4.036070	40
10867	4.036110	40
10868	4.036150	40
10869	4.036190	40
10870	4.036230	39
10871	4.036269	40
10872	4.036309	40
10873	4.036349	40
10874	4.036389	40
10875	4.036429	40
10876	4.036469	40
10877	4.036509	40
10878	4.036549	40
10879	4.036589	40
10880	4.036629	40
10881	4.036669	40
10882	4.036709	40
10883	4.036749	40
10884	4.036789	39
10885	4.036828	40
10886	4.036868	40
10887	4.036908	40
10888	4.036948	40
10889	4.036988	40
10890	4.037028	40
10891	4.037068	40
10892	4.037108	40
10893	4.037148	39
10894	4.037187	40
10895	4.037227	40
10896	4.037267	40
10897	4.037307	40
10898	4.037347	40
10899	4.032387	39
10900	4.037426	

Nomb.	3. 1′ 40″ Logarith.	D.
10900	4.037426	40
10901	4.037466	40
10902	4.037506	40
10903	4.037546	40
10904	4.037586	40
10905	4.037626	39
10906	4.037665	40
10907	4.037705	40
10908	4.037745	40
10909	4.037785	40
10910	4.037825	40
10911	4.037865	39
10912	4.037904	40
10913	4.037944	40
10914	4.037984	40
10915	4.038024	40
10916	4.038064	39
10917	4.038103	40
10918	4.038143	40
10919	4.038183	40
10920	4.038223	39
10921	4.038262	40
10922	4.038302	40
10923	4.038342	40
10924	4.038382	39
10925	4.038421	40
10926	4.038461	40
10927	4.038501	40
10928	4.038541	39
10929	4.038580	40
10930	4.038620	40
10931	4.038660	40
10932	4.038700	39
10933	4.038739	40
10934	4.038779	40
10935	4.038819	40
10936	4.038859	39
10937	4.038898	40
10938	4.038938	40
10939	4.038978	39
10940	4.039017	40
10941	4.039057	40
10942	4.039097	39
10943	4.039136	40
10944	4.039176	40
10945	4.039216	39
10946	4.039255	40
10947	4.039295	40
10948	4.039335	39
10949	4.039374	40
10950	4.039414	

Nomb.	3. 2' 30" Logarith.	D.
10950	4.039414	40
10951	4.039454	39
10952	4.039493	40
10953	4.039533	40
10954	4.039573	39
10955	4.039612	40
10956	4.039652	40
10957	4.039692	39
10958	4.039731	40
10959	4.039771	40
10960	4.039811	39
10961	4.039850	40
10962	4.039890	39
10963	4.039929	40
10964	4.039969	40
10965	4.040009	39
10966	4.040048	40
10967	4.040088	39
10968	4.040127	40
10969	4.040167	40
10970	4.040207	39
10971	4.040246	40
10972	4.040286	39
10973	4.040325	40
10974	4.040365	40
10975	4.040405	39
10976	4.040444	40
10977	4.040484	39
10978	4.040523	40
10979	4.040563	39
10980	4.040602	40
10981	4.040642	39
10982	4.040681	40
10983	4.040721	40
10984	4.040761	39
10985	4.040800	40
10986	4.040840	39
10987	4.040879	40
10988	4.040919	39
10989	4.040958	40
10990	4.040998	39
10991	4.041037	40
10992	4.041077	39
10993	4.041116	40
10994	4.041156	39
10995	4.041195	40
10996	4.041235	39
10997	4.041274	40
10998	4.041314	39
10999	4.041353	40
11000	4.041393	39

Nomb.	3. 3' 20" Logarith.	D.
11000	4.041393	39
11001	4.041432	40
11002	4.041472	39
11003	4.041511	40
11004	4.041551	39
11005	4.041590	40
11006	4.041630	39
11007	4.041669	39
11008	4.041708	40
11009	4.041748	39
11010	4.041787	40
11011	4.041827	39
11012	4.041866	40
11013	4.041906	39
11014	4.041945	40
11015	4.041985	39
11016	4.042024	39
11017	4.042063	40
11018	4.042103	39
11019	4.042142	40
11020	4.042182	39
11021	4.042221	39
11022	4.042260	40
11023	4.042300	39
11024	4.042339	40
11025	4.042379	39
11026	4.042418	39
11027	4.042457	40
11028	4.042497	39
11029	4.042536	40
11030	4.042576	39
11031	4.042615	39
11032	4.042654	40
11033	4.042694	39
11034	4.042733	39
11035	4.042772	40
11036	4.042812	39
11037	4.042851	39
11038	4.042890	40
11039	4.042930	39
11040	4.042969	39
11041	4.043008	40
11042	4.043048	39
11043	4.043087	39
11044	4.043126	40
11045	4.043166	39
11046	4.043205	39
11047	4.043244	40
11048	4.043284	39
11049	4.043323	39
11050	4.043362	39

Nomb.	3. 4' 10" Logarith.	D.
11050	4.043362	40
11051	4.043402	39
11052	4.043441	39
11053	4.043480	39
11054	4.043519	40
11055	4.043559	39
11056	4.043598	39
11057	4.043637	40
11058	4.043677	39
11059	4.043716	39
11060	4.043755	39
11061	4.043794	40
11062	4.043834	39
11063	4.043873	39
11064	4.043912	39
11065	4.043951	40
11066	4.043991	39
11067	4.044030	39
11068	4.044069	39
11069	4.044108	40
11070	4.044148	39
11071	4.044187	39
11072	4.044226	39
11073	4.044265	40
11074	4.044305	39
11075	4.044344	39
11076	4.044383	39
11077	4.044422	39
11078	4.044461	40
11079	4.044501	39
11080	4.044540	39
11081	4.044579	39
11082	4.044618	39
11083	4.044657	40
11084	4.044697	39
11085	4.044736	39
11086	4.044775	39
11087	4.044814	39
11088	4.044853	39
11089	4.044892	40
11090	4.044932	39
11091	4.044971	39
11092	4.045010	39
11093	4.045049	39
11094	4.045088	39
11095	4.045127	39
11096	4.045166	40
11097	4.045206	39
11098	4.045245	39
11099	4.045284	39
11100	4.045323	39

Nomb.	3. 5′ 0″ Logarith.	D.	Nomb.	3. 5′ 50″ Logarith.	D.	Nomb.	3. 6′ 40″ Logarith.	D.
11100	4.045323	39	11150	4.047275	39	11200	4.049218	39
11101	4.045362	39	11151	4.047314	39	11201	4.049257	39
11102	4.045401	39	11152	4.047353	39	11202	4.049296	38
11103	4.045440	39	11153	4.047392	39	11203	4.049334	39
11104	4.045479	40	11154	4.047431	39	11204	4.049373	39
11105	4.045519	39	11155	4.047470	39	11205	4.049412	39
11106	4.045558	39	11156	4.047509	38	11206	4.049451	38
11107	4.045597	39	11157	4.047547	39	11207	4.049489	39
11108	4.045636	39	11158	4.047586	39	11208	4.049528	39
11109	4.045675	39	11159	4.047625	39	11209	4.049567	39
11110	4.045714	39	11160	4.047664	39	11210	4.049606	38
11111	4.045753	39	11161	4.047703	39	11211	4.049644	39
11112	4.045792	39	11162	4.047742	39	11212	4.049683	39
11113	4.045831	39	11163	4.047781	39	11213	4.049722	39
11114	4.045870	39	11164	4.047820	39	11214	4.049761	38
11115	4.045909	40	11165	4.047859	39	11215	4.049799	39
11116	4.045949	39	11166	4.047898	39	11216	4.049838	39
11117	4.045988	39	11167	4.047937	38	11217	4.049877	38
11118	4.046027	39	11168	4.047975	39	11218	4.049915	39
11119	4.046066	39	11169	4.048014	39	11219	4.049954	39
11120	4.046105	39	11170	4.048053	39	11220	4.049993	39
11121	4.046144	39	11171	4.048092	39	11221	4.050032	38
11122	4.046183	39	11172	4.048131	39	11222	4.050070	39
11123	4.046222	39	11173	4.048170	39	11223	4.050109	39
11124	4.046261	39	11174	4.048209	39	11224	4.050148	38
11125	4.046300	39	11175	4.048248	38	11225	4.050186	39
11126	4.046339	39	11176	4.048286	39	11226	4.050225	39
11127	4.046378	39	11177	4.048325	39	11227	4.050264	38
11128	4.046417	39	11178	4.048364	39	11228	4.050302	39
11129	4.046456	39	11179	4.048403	39	11229	4.050341	39
11130	4.046495	39	11180	4.048442	39	11230	4.050380	38
11131	4.046534	39	11181	4.048481	38	11231	4.050418	39
11132	4.046573	39	11182	4.048519	39	11232	4.050457	39
11133	4.046612	39	11183	4.048558	39	11233	4.050496	38
11134	4.046651	39	11184	4.048597	39	11234	4.050534	39
11135	4.046690	39	11185	4.048636	39	11235	4.050573	39
11136	4.046729	39	11186	4.048675	39	11236	4.050612	38
11137	4.046768	39	11187	4.048714	38	11237	4.050650	39
11138	4.046807	39	11188	4.048752	39	11238	4.050689	39
11139	4.046846	39	11189	4.048791	39	11239	4.050728	38
11140	4.046885	39	11190	4.048830	39	11240	4.050766	39
11141	4.046924	39	11191	4.048869	39	11241	4.050805	39
11142	4.046963	39	11192	4.048908	39	11242	4.050844	38
11143	4.047002	39	11193	4.048947	38	11243	4.050882	39
11144	4.047041	39	11194	4.048985	39	11244	4.050921	38
11145	4.047080	39	11195	4.049024	39	11245	4.050959	39
11146	4.047119	39	11196	4.049063	39	11246	4.050998	39
11147	4.047158	39	11197	4.049102	38	11247	4.051037	38
11148	4.047197	39	11198	4.049140	39	11248	4.051075	39
11149	4.047236	39	11199	4.049179	39	11249	4.051114	39
11150	4.047275		11200	4.049218		11250	4.051153	

Nomb.	3. 7′ 30″ Logarith.	D.
11250	4.051153	38
11251	4.051191	39
11252	4.051230	38
11253	4.051268	39
11254	4.051307	38
11255	4.051345	39
11256	4.051384	39
11257	4.051423	38
11258	4.051461	39
11259	4.051500	38
11260	4.051538	39
11261	4.051577	39
11262	4.051616	38
11263	4.051654	39
11264	4.051693	38
11265	4.051731	39
11266	4.051770	38
11267	4.051808	39
11268	4.051847	38
11269	4.051885	39
11270	4.051924	38
11271	4.051962	39
11272	4.052001	39
11273	4.052040	38
11274	4.052078	39
11275	4.052117	38
11276	4.052155	39
11277	4.052194	38
11278	4.052232	39
11279	4.052271	38
11280	4.052309	39
11281	4.052348	38
11282	4.052386	39
11283	4.052425	38
11284	4.052463	39
11285	4.052502	38
11286	4.052540	39
11287	4.052579	38
11288	4.052617	38
11289	4.052655	39
11290	4.052694	38
11291	4.052732	39
11292	4.052771	38
11293	4.052809	39
11294	4.052848	38
11295	4.052886	39
11296	4.052925	38
11297	4.052963	39
11298	4.053002	38
11299	4.053040	38
11300	4.053078	

Nomb.	3. 8′ 20″ Logarith.	D.
11300	4.053078	39
11301	4.053117	38
11302	4.053155	39
11303	4.053194	38
11304	4.053232	39
11305	4.053271	38
11306	4.053309	38
11307	4.053347	39
11308	4.053386	38
11309	4.053424	39
11310	4.053463	38
11311	4.053501	38
11312	4.053539	39
11313	4.053578	38
11314	4.053616	39
11315	4.053655	38
11316	4.053693	38
11317	4.053731	39
11318	4.053770	38
11319	4.053808	38
11320	4.053846	39
11321	4.053885	38
11322	4.053923	39
11323	4.053962	38
11324	4.054000	38
11325	4.054038	39
11326	4.054077	38
11327	4.054115	38
11328	4.054153	39
11329	4.054192	38
11330	4.054230	38
11331	4.054268	39
11332	4.054307	38
11333	4.054345	38
11334	4.054383	39
11335	4.054422	38
11336	4.054460	38
11337	4.054498	38
11338	4.054536	39
11339	4.054575	38
11340	4.054613	38
11341	4.054651	39
11342	4.054690	38
11343	4.054728	38
11344	4.054766	39
11345	4.054805	38
11346	4.054843	38
11347	4.054881	38
11348	4.054919	39
11349	4.054958	38
11350	4.054996	

Nomb.	3. 9. 10″ Logarith.	D.
11350	4.054996	38
11351	4.055034	38
11352	4.055072	39
11353	4.055111	38
11354	4.055149	38
11355	4.055187	38
11356	4.055225	39
11357	4.055264	38
11358	4.055302	38
11359	4.055340	38
11360	4.055378	39
11361	4.055417	38
11362	4.055455	38
11363	4.055493	38
11364	4.055531	38
11365	4.055569	39
11366	4.055608	38
11367	4.055646	38
11368	4.055684	38
11369	4.055722	38
11370	4.055760	39
11371	4.055799	38
11372	4.055837	38
11373	4.055875	38
11374	4.055913	38
11375	4.055951	39
11376	4.055990	38
11377	4.056028	38
11378	4.056066	38
11379	4.056104	38
11380	4.056142	38
11381	4.056180	39
11382	4.056219	38
11383	4.056257	38
11384	4.056295	38
11385	4.056333	38
11386	4.056371	38
11387	4.056409	38
11388	4.056447	39
11389	4.056486	38
11390	4.056524	38
11391	4.056562	38
11392	4.056600	38
11393	4.056638	38
11394	4.056676	38
11395	4.056714	38
11396	4.056752	39
11397	4.056791	38
11398	4.056829	38
11399	4.056867	38
11400	4.056905	

Nomb.	3. 10' 0" Logarith.	D.
11400	4.056905	38
11401	4.056943	38
11402	4.056981	38
11403	4.057019	38
11404	4.057057	38
11405	4.057095	38
11406	4.057133	38
11407	4.057171	39
11408	4.057210	38
11409	4.057248	38
11410	4.057286	38
11411	4.057324	38
11412	4.057362	38
11413	4.057400	38
11414	4.057438	38
11415	4.057476	38
11416	4.057514	38
11417	4.057552	38
11418	4.057590	38
11419	4.057628	38
11420	4.057666	38
11421	4.057704	38
11422	4.057742	38
11423	4.057780	38
11424	4.057818	38
11425	4.057856	38
11426	4.057894	38
11427	4.057932	38
11428	4.057970	38
11429	4.058008	38
11430	4.058046	38
11431	4.058084	38
11432	4.058122	38
11433	4.058160	38
11434	4.058198	38
11435	4.058236	38
11436	4.058274	38
11437	4.058312	38
11438	4.058350	38
11439	4.058388	38
11440	4.058426	38
11441	4.058464	38
11442	4.058502	38
11443	4.058540	38
11444	4.058578	38
11445	4.058616	38
11446	4.058654	38
11447	4.058692	38
11448	4.058730	38
11449	4.058768	37
11450	4.058805	

Nomb.	3. 10' 50" Logarith.	D.
11450	4.058805	38
11451	4.058843	38
11452	4.058881	38
11453	4.058919	38
11454	4.058957	38
11455	4.058995	38
11456	4.059033	38
11457	4.059071	38
11458	4.059109	38
11459	4.059147	38
11460	4.059185	38
11461	4.059223	37
11462	4.059260	38
11463	4.059298	38
11464	4.059336	38
11465	4.059374	38
11466	4.059412	38
11467	4.059450	38
11468	4.059488	38
11469	4.059526	37
11470	4.059563	38
11471	4.059601	38
11472	4.059639	38
11473	4.059677	38
11474	4.059715	38
11475	4.059753	38
11476	4.059791	37
11477	4.059828	38
11478	4.059866	38
11479	4.059904	38
11480	4.059942	38
11481	4.059980	38
11482	4.060018	37
11483	4.060055	38
11484	4.060093	38
11485	4.060131	38
11486	4.060169	38
11487	4.060207	37
11488	4.060244	38
11489	4.060282	38
11490	4.060320	38
11491	4.060358	38
11492	4.060396	37
11493	4.060433	38
11494	4.060471	38
11495	4.060509	38
11496	4.060547	38
11497	4.060585	37
11498	4.060622	38
11499	4.060660	38
11500	4.060698	

Nomb.	3. 11' 40" Logarith.	D.
11500	4.060698	38
11501	4.060736	37
11502	4.060773	38
11503	4.060811	38
11504	4.060849	38
11505	4.060887	37
11506	4.060924	38
11507	4.060962	38
11508	4.061000	38
11509	4.061038	37
11510	4.061075	38
11511	4.061113	38
11512	4.061151	38
11513	4.061189	37
11514	4.061226	38
11515	4.061264	38
11516	4.061302	37
11517	4.061339	38
11518	4.061377	38
11519	4.061415	37
11520	4.061452	38
11521	4.061490	38
11522	4.061528	38
11523	4.061566	37
11524	4.061603	38
11525	4.061641	38
11526	4.061679	37
11527	4.061716	38
11528	4.061754	38
11529	4.061792	37
11530	4.061829	38
11531	4.061867	38
11532	4.061905	37
11533	4.061942	38
11534	4.061980	38
11535	4.062018	37
11536	4.062055	38
11537	4.062093	38
11538	4.062131	37
11539	4.062168	38
11540	4.062206	37
11541	4.062243	38
11542	4.062281	38
11543	4.062319	37
11544	4.062356	38
11545	4.062394	38
11546	4.062432	37
11547	4.062469	38
11548	4.062507	37
11549	4.062544	38
11550	4.062582	

Nomb.	3. 12′ 30″ Logarith.	D.
11550	4.062582	
11551	4.062620	38
11552	4.062657	37
11553	4.062695	38
11554	4.062732	37
11555	4.062770	38
11556	4.062808	38
11557	4.062845	37
11558	4.062883	38
11559	4.062920	37
11560	4.062958	38
11561	4.062995	37
11562	4.063033	38
11563	4.063071	38
11564	4.063108	37
11565	4.063146	38
11566	4.063183	37
11567	4.063221	38
11568	4.063258	37
11569	4.063296	38
11570	4.063333	37
11571	4.063371	38
11572	4.063408	37
11573	4.063446	38
11574	4.063483	37
11575	4.063521	38
11576	4.063559	38
11577	4.063596	37
11578	4.063634	38
11579	4.063671	37
11580	4.063709	38
11581	4.063746	37
11582	4.063784	38
11583	4.063821	37
11584	4.063859	38
11585	4.063896	37
11586	4.063934	38
11587	4.063971	37
11588	4.064008	37
11589	4.064046	38
11590	4.064083	37
11591	4.064121	38
11592	4.064158	37
11593	4.064196	38
11594	4.064233	37
11595	4.064271	38
11596	4.064308	37
11597	4.064346	38
11598	4.064383	37
11599	4.064421	38
11600	4.064458	37

Nomb.	3. 13′ 20″ Logarith	D.
11600	4.064458	
11601	4.064495	37
11602	4.064533	38
11603	4.064570	37
11604	4.064608	38
11605	4.064645	37
11606	4.064683	38
11607	4.064720	37
11608	4.064757	37
11609	4.064795	38
11610	4.064832	37
11611	4.064870	38
11612	4.064907	37
11613	4.064944	37
11614	4.064982	38
11615	4.065019	37
11616	4.065057	38
11617	4.065094	37
11618	4.065131	37
11619	4.065169	38
11620	4.065206	37
11621	4.065244	38
11622	4.065281	37
11623	4.065318	37
11624	4.065356	38
11625	4.065393	37
11626	4.065430	37
11627	4.065468	38
11628	4.065505	37
11629	4.065542	37
11630	4.065580	38
11631	4.065617	37
11632	4.065654	37
11633	4.065692	38
11634	4.065729	37
11635	4.065766	37
11636	4.065804	38
11637	4.065841	37
11638	4.065878	37
11639	4.065916	38
11640	4.065953	37
11641	4.065990	37
11642	4.066028	38
11643	4.066065	37
11644	4.066102	37
11645	4.066139	37
11646	4.066177	38
11647	4.066214	37
11648	4.066251	37
11649	4.066289	38
11650	4.066326	37

Nomb.	3. 14′ 10″ Logarith.	D.
11650	4.066326	
11651	4.066363	37
11652	4.066400	37
11653	4.066438	38
11654	4.066475	37
11655	4.066512	37
11656	4.066550	38
11657	4.066587	37
11658	4.066624	37
11659	4.066661	37
11660	4.066699	38
11661	4.066736	37
11662	4.066773	37
11663	4.066810	37
11664	4.066848	38
11665	4.066885	37
11666	4.066922	37
11667	4.066959	37
11668	4.066996	37
11669	4.067034	38
11670	4.067071	37
11671	4.067108	37
11672	4.067145	37
11673	4.067182	37
11674	4.067220	38
11675	4.067257	37
11676	4.067294	37
11677	4.067331	37
11678	4.067368	37
11679	4.067406	38
11680	4.067443	37
11681	4.067480	37
11682	4.067517	37
11683	4.067554	37
11684	4.067592	38
11685	4.067629	37
11686	4.067666	37
11687	4.067703	37
11688	4.067740	37
11689	4.067777	37
11690	4.067815	38
11691	4.067852	37
11692	4.067889	37
11693	4.067926	37
11694	4.067963	37
11695	4.068000	37
11696	4.068037	37
11697	4.068074	38
11698	4.068112	37
11699	4.068149	37
11700	4.068186	

Nomb.	3. 15′ 0″ Logarith.	D.
11700	4.068186	
11701	4.068223	37
11702	4.068260	37
11703	4.068297	37
11704	4.068334	37
11705	4.068371	37
11706	4.068409	38
11707	4.068446	37
11708	4.068483	37
11709	4.068520	37
11710	4.068557	37
11711	4.068594	37
11712	4.068631	37
11713	4.068668	37
11714	4.068705	37
11715	4.068742	37
11716	4.068779	37
11717	4.068816	37
11718	4.068853	38
11719	4.068891	37
11720	4.068928	37
11721	4.068965	37
11722	4.069002	37
11723	4.069039	37
11724	4.069076	37
11725	4.069113	37
11726	4.069150	37
11727	4.069187	37
11728	4.069224	37
11729	4.069261	37
11730	4.069298	37
11731	4.069335	37
11732	4.069372	37
11733	4.069409	37
11734	4.069446	37
11735	4.069483	37
11736	4.069520	37
11737	4.069557	37
11738	4.069594	37
11739	4.069631	37
11740	4.069668	37
11741	4.069705	37
11742	4.069742	37
11743	4.069779	37
11744	4.069816	37
11745	4.069853	37
11746	4.069890	37
11747	4.069927	37
11748	4.069964	37
11749	4.070001	37
11750	4.070038	

Nomb.	3. 15′ 50″ Logarith.	D.
11750	4.070038	
11751	4.070075	37
11752	4.070112	37
11753	4.070149	37
11754	4.070186	37
11755	4.070223	37
11756	4.070260	37
11757	4.070297	36
11758	4.070333	37
11759	4.070370	37
11760	4.070407	37
11761	4.070444	37
11762	4.070481	37
11763	4.070518	37
11764	4.070555	37
11765	4.070592	37
11766	4.070629	37
11767	4.070666	37
11768	4.070703	37
11769	4.070740	36
11770	4.070776	37
11771	4.070813	37
11772	4.070850	37
11773	4.070887	37
11774	4.070924	37
11775	4.070961	37
11776	4.070998	37
11777	4.071035	37
11778	4.071072	36
11779	4.071108	37
11780	4.071145	37
11781	4.071182	37
11782	4.071219	37
11783	4.071256	37
11784	4.071293	37
11785	4.071330	36
11786	4.071366	37
11787	4.071403	37
11788	4.071440	37
11789	4.071477	37
11790	4.071514	37
11791	4.071551	36
11792	4.071587	37
11793	4.071624	37
11794	4.071661	37
11795	4.071698	37
11796	4.071735	37
11797	4.071772	36
11798	4.071808	37
11799	4.071845	37
11800	4.071882	

Nomb.	3. 16′ 40″ Logarith.	D.
11800	4.071882	
11801	4.071919	37
11802	4.071956	37
11803	4.071992	36
11804	4.072029	37
11805	4.072066	37
11806	4.072103	37
11807	4.072140	37
11808	4.072176	36
11809	4.072213	37
11810	4.072250	37
11811	4.072287	37
11812	4.072323	36
11813	4.072360	37
11814	4.072397	37
11815	4.072434	37
11816	4.072470	36
11817	4.072507	37
11818	4.072544	37
11819	4.072581	37
11820	4.072617	36
11821	4.072654	37
11822	4.072691	37
11823	4.072728	37
11824	4.072764	36
11825	4.072801	37
11826	4.072838	37
11827	4.072875	37
11828	4.072911	36
11829	4.072948	37
11830	4.072985	37
11831	4.073021	36
11832	4.073058	37
11833	4.073095	37
11834	4.073132	37
11835	4.073168	36
11836	4.073205	37
11837	4.073242	37
11838	4.073278	36
11839	4.073315	37
11840	4.073352	37
11841	4.073388	36
11842	4.073425	37
11843	4.073462	37
11844	4.073498	36
11845	4.073535	37
11846	4.073572	37
11847	4.073608	36
11848	4.073645	37
11849	4.073682	37
11850	4.073718	36

Nomb.	3. 17′ 30″ Logarith.	D.	Nomb.	3. 18′ 20″ Logarith.	D.	Nomb.	3. 19′ 10″ Logarith.	D.
11850	4.073718	37	11900	4.075547	36	11950	4.077368	36
11851	4.073755	37	11901	4.075583	37	11951	4.077404	37
11852	4.073792	36	11902	4.075620	36	11952	4.077441	36
11853	4.073828	37	11903	4.075656	37	11953	4.077477	36
11854	4.073865	37	11904	4.075693	36	11954	4.077513	37
11855	4.073902	36	11905	4.075729	37	11955	4.077550	36
11856	4.073938	37	11906	4.075766	36	11956	4.077586	36
11857	4.073975	36	11907	4.075802	37	11957	4.077622	37
11858	4.074011	37	11908	4.075839	36	11958	4.077659	36
11859	4.074048	37	11909	4.075875	37	11959	4.077695	36
11860	4.074085	36	11910	4.075912	36	11960	4.077731	36
11861	4.074121	37	11911	4.075948	37	11961	4.077767	37
11862	4.074158	37	11912	4.075985	36	11962	4.077804	36
11863	4.074195	36	11913	4.076021	37	11963	4.077840	36
11864	4.074231	37	11914	4.076058	36	11964	4.077876	37
11865	4.074268	36	11915	4.076094	36	11965	4.077913	36
11866	4.074304	37	11916	4.076130	37	11966	4.077949	36
11867	4.074341	37	11917	4.076167	36	11967	4.077985	37
11868	4.074378	36	11918	4.076203	37	11968	4.078022	36
11869	4.074414	37	11919	4.076240	36	11969	4.078058	36
11870	4.074451	36	11920	4.076276	37	11970	4.078094	36
11871	4.074487	37	11921	4.076313	36	11971	4.078130	37
11872	4.074524	36	11922	4.076349	37	11972	4.078167	36
11873	4.074560	37	11923	4.076386	36	11973	4.078203	36
11874	4.074597	37	11924	4.076422	36	11974	4.078239	37
11875	4.074634	36	11925	4.076458	37	11975	4.078276	36
11876	4.074670	37	11926	4.076495	36	11976	4.078312	36
11877	4.074707	36	11927	4.076531	37	11977	4.078348	36
11878	4.074743	37	11928	4.076568	36	11978	4.078384	37
11879	4.074780	36	11929	4.076604	36	11979	4.078421	36
11880	4.074816	37	11930	4.076640	37	11980	4.078457	36
11881	4.074853	37	11931	4.076677	36	11981	4.078493	36
11882	4.074890	36	11932	4.076713	37	11982	4.078529	37
11883	4.074926	37	11933	4.076750	36	11983	4.078566	36
11884	4.074963	36	11934	4.076786	36	11984	4.078602	36
11885	4.074999	37	11935	4.076822	37	11985	4.078638	36
11886	4.075036	36	11936	4.076859	36	11986	4.078674	37
11887	4.075072	37	11937	4.076895	37	11987	4.078711	36
11888	4.075109	36	11938	4.076932	36	11988	4.078747	36
11889	4.075145	37	11939	4.076968	36	11989	4.078783	36
11890	4.075182	36	11940	4.077004	37	11990	4.078819	36
11891	4.075218	37	11941	4.077041	36	11991	4.078855	37
11892	4.075255	36	11942	4.077077	36	11992	4.078892	36
11893	4.075291	37	11943	4.077113	37	11993	4.078928	36
11894	4.075328	36	11944	4.077150	36	11994	4.078964	36
11895	4.075364	37	11945	4.077186	37	11995	4.079000	36
11896	4.075401	36	11946	4.077223	36	11996	4.079036	37
11897	4.075437	37	11947	4.077259	36	11997	4.079073	36
11898	4.075474	36	11948	4.077295	37	11998	4.079109	36
11899	4.075510	37	11949	4.077332	36	11999	4.079145	36
11900	4.075547		11950	4.077368		12000	4.079181	

Nomb.	3. 20' 0" Logarith.	D.
12000	4.079181	36
12001	4.079217	37
12002	4.079254	36
12003	4.079290	36
12004	4.079326	36
12005	4.079362	36
12006	4.079398	37
12007	4.079435	36
12008	4.079471	36
12009	4.079507	36
12010	4.079543	36
12011	4.079579	36
12012	4.079615	36
12013	4.079651	37
12014	4.079688	36
12015	4.079724	36
12016	4.079760	36
12017	4.079796	36
12018	4.079832	36
12019	4.079868	36
12020	4.079904	37
12021	4.079941	36
12022	4.079977	36
12023	4.080013	36
12024	4.080049	36
12025	4.080085	36
12026	4.080121	36
12027	4.080157	36
12028	4.080193	37
12029	4.080230	36
12030	4.080266	36
12031	4.080302	36
12032	4.080338	36
12033	4.080374	36
12034	4.080410	36
12035	4.080446	36
12036	4.080482	36
12037	4.080518	36
12038	4.080554	36
12039	4.080590	36
12040	4.080626	37
12041	4.010663	36
12042	4.080699	36
12043	4.080735	36
12044	4.080771	36
12045	4.080807	36
12046	4.080843	36
12047	4.080879	36
12048	4.080915	36
12049	4.080951	36
12050	4.080987	

Nomb.	3. 20' 50" Logarith.	D.
12050	4.080987	36
12051	4.081023	36
12052	4.081059	36
12053	4.081095	36
12054	4.081131	36
12055	4.081167	36
12056	4.081203	36
12057	4.081239	36
12058	4.081275	36
12059	4.081311	36
12060	4.081347	36
12061	4.081383	36
12062	4.081419	36
12063	4.081455	36
12064	4.081491	36
12065	4.081527	36
12066	4.081563	36
12067	4.081599	36
12068	4.081635	36
12069	4.081671	36
12070	4.081707	36
12071	4.081743	36
12072	4.081779	36
12073	4.081815	36
12074	4.081851	36
12075	4.081887	36
12076	4.081923	36
12077	4.081959	36
12078	4.081995	36
12079	4.082031	36
12080	4.082067	36
12081	4.082103	36
12082	4.082139	36
12083	4.082175	36
12084	4.082211	36
12085	4.082247	36
12086	4.082283	36
12087	4.082319	35
12088	4.082354	36
12089	4.082390	36
12090	4.082426	36
12091	4.082462	36
12092	4.082498	36
12093	4.082534	36
12094	4.082570	36
12095	4.082606	36
12096	4.082642	36
12097	4.082678	36
12098	4.082714	35
12099	4.082749	36
12100	4.082785	

Nomb.	3. 21' 40" Logarith.	D.
12100	4.082785	36
12101	4.082821	36
12102	4.082857	36
12103	4.082893	36
12104	4.082929	36
12105	4.082965	36
12106	4.083001	36
12107	4.083037	35
12108	4.083072	36
12109	4.083108	36
12110	4.083144	36
12111	4.083180	36
12112	4.083216	36
12113	4.083252	36
12114	4.083288	35
12115	4.083323	36
12116	4.083359	36
12117	4.083395	36
12118	4.083431	36
12119	4.083467	36
12120	4.083503	35
12121	4.083538	36
12122	4.083574	36
12123	4.083610	36
12124	4.083646	36
12125	4.083682	36
12126	4.083718	35
12127	4.083753	36
12128	4.083789	36
12129	4.083825	36
12130	4.083861	36
12131	4.083897	35
12132	4.083932	36
12133	4.083968	36
12134	4.084004	36
12135	4.084040	36
12136	4.084076	35
12137	4.084111	36
12138	4.084147	36
12139	4.084183	36
12140	4.084219	35
12141	4.084254	36
12142	4.084290	36
12143	4.084326	36
12144	4.084362	36
12145	4.084398	35
12146	4.084433	36
12147	4.084469	36
12148	4.084505	36
12149	4.084541	35
12150	4.084576	

Nomb.	3. 22′ 30″ Logarith.	D.
12150	4.084576	36
12151	4.084612	36
12152	4.084648	35
12153	4.084683	36
12154	4.084719	36
12155	4.084755	36
12156	4.084791	35
12157	4.084826	36
12158	4.084862	36
12159	4.084898	36
12160	4.084934	35
12161	4.084969	36
12162	4.085005	36
12163	4.085041	35
12164	4.085076	36
12165	4.085112	36
12166	4.085148	36
12167	4.085184	35
12168	4.085219	36
12169	4.085255	36
12170	4.085291	35
12171	4.085326	36
12172	4.085362	36
12173	4.085398	35
12174	4.085433	36
12175	4.085469	36
12176	4.085505	35
12177	4.085540	36
12178	4.085576	36
12179	4.085612	35
12180	4.085647	36
12181	4.085683	36
12182	4.085719	35
12183	4.085754	36
12184	4.085790	36
12185	4.085826	35
12186	4.085861	36
12187	4.085897	35
12188	4.085932	36
12189	4.085968	36
12190	4.086004	35
12191	4.086039	36
12192	4.086075	36
12193	4.086111	35
12194	4.086146	36
12195	4.086182	35
12196	4.086217	36
12197	4.086253	36
12198	4.086289	35
12199	4.086324	36
12200	4.086360	

Nomb.	3. 23′ 20″ Logarith.	D.
12200	4.086360	35
12201	4.086395	36
12202	4.086431	36
12203	4.086467	35
12204	4.086502	36
12205	4.086538	35
12206	4.086573	36
12207	4.086609	36
12208	4.086645	35
12209	4.086680	36
12210	4.086716	35
12211	4.086751	36
12212	4.086787	35
12213	4.086822	36
12214	4.086858	35
12215	4.086893	36
12216	4.086929	36
12217	4.086965	35
12218	4.087000	36
12219	4.087036	35
12220	4.087071	36
12221	4.087107	35
12222	4.087142	36
12223	4.087178	35
12224	4.087213	36
12225	4.087249	35
12226	4.087284	36
12227	4.087320	35
12228	4.087355	36
12229	4.087391	35
12230	4.087426	36
12231	4.087462	35
12232	4.087497	36
12233	4.087533	35
12234	4.087568	36
12235	4.087604	35
12236	4.087639	36
12237	4.087675	35
12238	4.087710	36
12239	4.087746	35
12240	4.087781	36
12241	4.087817	35
12242	4.087852	36
12243	4.087888	35
12244	4.087923	36
12245	4.087959	35
12246	4.087994	36
12247	4.088030	35
12248	4.088065	36
12249	4.088101	35
12250	4.088136	

Nomb.	3. 24′ 10″ Logarith.	D.
12250	4.088136	36
12251	4.088172	35
12252	4.088207	35
12253	4.088242	36
12254	4.088278	35
12255	4.088313	36
12256	4.088349	35
12257	4.088384	36
12258	4.088420	35
12259	4.088455	35
12260	4.088490	36
12261	4.088526	35
12262	4.088561	36
12263	4.088597	35
12264	4.088632	36
12265	4.088668	35
12266	4.088703	35
12267	4.088738	36
12268	4.088774	35
12269	4.088809	36
12270	4.088845	35
12271	4.088880	35
12272	4.088915	36
12273	4.088951	35
12274	4.088986	36
12275	4.089022	35
12276	4.089057	35
12277	4.089092	36
12278	4.089128	35
12279	4.089163	35
12280	4.089198	36
12281	4.089234	35
12282	4.089269	35
12283	4.089304	36
12284	4.089340	35
12285	4.089375	36
12286	4.089411	35
12287	4.089446	35
12288	4.089481	36
12289	4.089517	35
12290	4.089552	35
12291	4.089587	36
12292	4.089623	35
12293	4.089658	35
12294	4.089693	36
12295	4.089729	35
12296	4.089764	35
12297	4.089799	35
12298	4.089834	35
12299	4.089870	35
12300	4.089905	

Nomb.	3. 25' 0" Logarith.	D.
12300	4.089905	35
12301	4.089940	36
12302	4.089976	35
12303	4.090011	35
12304	4.090046	36
12305	4.090082	35
12306	4.090117	35
12307	4.090152	35
12308	4.090187	36
12309	4.090223	35
12310	4.090258	35
12311	4.090293	36
12312	4.090329	35
12313	4.090364	35
12314	4.090399	35
12315	4.090434	36
12316	4.090470	35
12317	4.090505	35
12318	4.090540	35
12319	4.090575	36
12320	4.090611	35
12321	4.090646	35
12322	4.090681	35
12323	4.090716	36
12324	4.090752	35
12325	4.090787	35
12326	4.090822	35
12327	4.090857	36
12328	4.090893	35
12329	4.090928	35
12330	4.090963	35
12331	4.090998	36
12332	4.091034	35
12333	4.091069	35
12334	4.091104	35
12335	4.091139	35
12336	4.091174	36
12337	4.091210	35
12338	4.091245	35
12339	4.091280	35
12340	4.091315	35
12341	4.091350	36
12342	4.091386	35
12343	4.091421	35
12344	4.091456	35
12345	4.091491	35
12346	4.091526	35
12347	4.091561	36
12348	4.091597	35
12349	4.091632	35
12350	4.091667	

Nomb.	3. 25' 50" Logarith.	D.
12350	4.091667	35
12351	4.091702	35
12352	4.091737	35
12353	4.091772	36
12354	4.091808	35
12355	4.091843	35
12356	4.091878	35
12357	4.091913	35
12358	4.091948	35
12359	4.091983	35
12360	4.092018	36
12361	4.092054	35
12362	4.092089	35
12363	4.092124	35
12364	4.092159	35
12365	4.092194	35
12366	4.092229	35
12367	4.092264	35
12368	4.092299	36
12369	4.092335	35
12370	4.092370	35
12371	4.092405	35
12372	4.092440	35
12373	4.092475	35
12374	4.092510	35
12375	4.092545	35
12376	4.092580	35
12377	4.092615	35
12378	4.092650	36
12379	4.092686	35
12380	4.092721	35
12381	4.092756	35
12382	4.092791	35
12383	4.092826	35
12384	4.092861	35
12385	4.092896	35
12386	4.092931	35
12387	4.092966	35
12388	4.093001	35
12389	4.093036	35
12390	4.093071	35
12391	4.093106	35
12392	4.093141	35
12393	4.093176	35
12394	4.093211	36
12395	4.093247	35
12396	4.093282	35
12397	4.093317	35
12398	4.093352	35
12399	4.093387	35
12400	4.093422	

Nomb.	3. 26' 40" Logarith.	D.
12400	4.093422	35
12401	4.093457	35
12402	4.093492	35
12403	4.093527	35
12404	4.093562	35
12405	4.093597	35
12406	4.093632	35
12407	4.093667	35
12408	4.093702	35
12409	4.093737	35
12410	4.093772	35
12411	4.093807	35
12412	4.093842	35
12413	4.093877	35
12414	4.093912	35
12415	4.093947	35
12416	4.093982	35
12417	4.094017	35
12418	4.094052	35
12419	4.094087	35
12420	4.094122	35
12421	4.094157	35
12422	4.094192	34
12423	4.094226	35
12424	4.094261	35
12425	4.094296	35
12426	4.094331	35
12427	4.094366	35
12428	4.094401	35
12429	4.094436	35
12430	4.094471	35
12431	4.094506	35
12432	4.094541	35
12433	4.094576	35
12434	4.094611	35
12435	4.094646	35
12436	4.094681	35
12437	4.094716	35
12438	4.094751	34
12439	4.094785	35
12440	4.094820	35
12441	4.094855	35
12442	4.094890	35
12443	4.094925	35
12444	4.094960	35
12445	4.094995	35
12446	4.095030	35
12447	4.095065	35
12448	4.095100	34
12449	4.095134	35
12450	4.095169	

Nomb.	3. 27' 30" Logarith.	D.
12450	4.095169	35
12451	4.095204	35
12452	4.095239	35
12453	4.095274	35
12454	4.095309	35
12455	4.095344	35
12456	4.095379	34
12457	4.095413	35
12458	4.095448	35
12459	4.095483	35
12460	4.095518	35
12461	4.095553	35
12462	4.095588	35
12463	4.095623	34
12464	4.095657	35
12465	4.095692	35
12466	4.095727	35
12467	4.095762	35
12468	4.095797	35
12469	4.095832	34
12470	4.095866	35
12471	4.095901	35
12472	4.095936	35
12473	4.095971	35
12474	4.096006	35
12475	4.096041	34
12476	4.096075	35
12477	4.096110	35
12478	4.096145	35
12479	4.096180	35
12480	4.096215	34
12481	4.096249	35
12482	4.096284	35
12483	4.096319	35
12484	4.096354	35
12485	4.096389	34
12486	4.096423	35
12487	4.096458	35
12488	4.096493	35
12489	4.096528	34
12490	4.096562	35
12491	4.096597	35
12492	4.096632	35
12493	4.096667	35
12494	4.096702	34
12495	4.096736	35
12496	4.096771	35
12497	4.096806	35
12498	4.096841	34
12499	4.096875	35
12500	4.096910	

Nomb.	3. 28' 20" Logarith.	D.
12500	4.096910	35
12501	4.096945	34
12502	4.096979	35
12503	4.097014	35
12504	4.097049	35
12505	4.097084	34
12506	4.097118	35
12507	4.097153	35
12508	4.097188	35
12509	4.097223	34
12510	4.097257	35
12511	4.097292	35
12512	4.097327	34
12513	4.097361	35
12514	4.097396	35
12515	4.097431	35
12516	4.097466	34
12517	4.097500	35
12518	4.097535	35
12519	4.097570	34
12520	4.097604	35
12521	4.097639	35
12522	4.097674	34
12523	4.097708	35
12524	4.097743	35
12525	4.097778	34
12526	4.097812	35
12527	4.097847	35
12528	4.097882	34
12529	4.097916	35
12530	4.097951	35
12531	4.097986	34
12532	4.098020	35
12533	4.098055	35
12534	4.098090	34
12535	4.098124	35
12536	4.098159	35
12537	4.098194	34
12538	4.098228	35
12539	4.098263	35
12540	4.098298	34
12541	4.098332	35
12542	4.098367	34
12543	4.098401	35
12544	4.098436	35
12545	4.098471	34
12546	4.098505	35
12547	4.098540	35
12548	4.098575	34
12549	4.098609	35
12550	4.098644	

Nomb.	3. 29' 10" Logarith.	D.
12550	4.098644	34
12551	4.098678	35
12552	4.098713	35
12553	4.098748	34
12554	4.098782	35
12555	4.098817	34
12556	4.098851	35
12557	4.098886	34
12558	4.098920	35
12559	4.098955	35
12560	4.098990	34
12561	4.099024	35
12562	4.099059	34
12563	4.099093	35
12564	4.099128	34
12565	4.099162	35
12566	4.099197	35
12567	4.099232	34
12568	4.099266	35
12569	4.099301	34
12570	4.099335	35
12571	4.099370	34
12572	4.099404	35
12573	4.099439	34
12574	4.099473	35
12575	4.099508	35
12576	4.099543	34
12577	4.099577	35
12578	4.099612	34
12579	4.099646	35
12580	4.099681	34
12581	4.099715	35
12582	4.099750	34
12583	4.099784	35
12584	4.099819	34
12585	4.099853	35
12586	4.099888	34
12587	4.099922	35
12588	4.099957	34
12589	4.099991	35
12590	4.100026	34
12591	4.100060	35
12592	4.100095	34
12593	4.100129	35
12594	4.100164	34
12595	4.100198	35
12596	4.100233	34
12597	4.100267	35
12598	4.100302	34
12599	4.100336	35
12600	4.100371	

Nomb.	3. 30′ 0″ Logarith.	D.
12600	4.100371	34
12601	4.100405	35
12602	4.100440	34
12603	4.100474	34
12604	4.100508	35
12605	4.100543	34
12606	4.100577	35
12607	4.100612	34
12608	4.100646	35
12609	4.100681	34
12610	4.100715	35
12611	4.100750	34
12612	4.100784	34
12613	4.100818	35
12614	4.100853	34
12615	4.100887	35
12616	4.100922	34
12617	4.100956	35
12618	4.100991	34
12619	4.101025	34
12620	4.101059	35
12621	4.101094	34
12622	4.101128	35
12623	4.101163	34
12624	4.101197	34
12625	4.101231	35
12626	4.101266	34
12627	4.101300	35
12628	4.101335	34
12629	4.101369	34
12630	4.101403	35
12631	4.101438	34
12632	4.101472	35
12633	4.101507	34
12634	4.101541	34
12635	4.101575	35
12636	4.101610	34
12637	4.101644	34
12638	4.101678	35
12639	4.101713	34
12640	4.101747	34
12641	4.101781	35
12642	4.101816	34
12643	4.101850	35
12644	4.101885	34
12645	4.101919	34
12646	4.101953	35
12647	4.101988	34
12648	4.102022	34
12649	4.102056	35
12650	4.102091	

Nomb.	3. 30′ 50″ Logarith.	D.
12650	4.102091	34
12651	4.102125	34
12652	4.102159	35
12653	4.102194	34
12654	4.102228	34
12655	4.102262	35
12656	4.102297	34
12657	4.102331	34
12658	4.102365	34
12659	4.102399	35
12660	4.102434	34
12661	4.102468	34
12662	4.102502	35
12663	4.102537	34
12664	4.102571	34
12665	4.102605	35
12666	4.102640	34
12667	4.102674	34
12668	4.102708	34
12669	4.102742	35
12670	4.102777	34
12671	4.102811	34
12672	4.102845	34
12673	4.102879	35
12674	4.102914	34
12675	4.102948	34
12676	4.202982	35
12677	4.103017	34
12678	4.103051	34
12679	4.103085	34
12680	4.103119	35
12681	4.103154	34
12682	4.103188	34
12683	4.103222	34
12684	4.103256	35
12685	4.103291	34
12686	4.103325	34
12687	4.103359	34
12688	4.103393	34
12689	4.103427	35
12690	4.103462	34
12691	4.103496	34
12692	4.103530	34
12693	4.103564	35
12694	4.103599	34
12695	4.103633	34
12696	4.103667	34
12697	4.103701	34
12698	4.103735	35
12699	4.103770	34
12700	4.103804	

Nomb.	3. 31′ 40″ Logarith.	D.
12700	4.103804	34
12701	4.103838	34
12702	4.103872	34
12703	4.103906	35
12704	4.103941	34
12705	4.103975	34
12706	4.104009	34
12707	4.104043	34
12708	4.104077	34
12709	4.104111	35
12710	4.104146	34
12711	4.104180	34
12712	4.104214	34
12713	4.104248	34
12714	4.104282	34
12715	4.104316	35
12716	4.104351	34
12717	4.104385	34
12718	4.104419	34
12719	4.104453	34
12720	4.104487	34
12721	4.104521	34
12722	4.104555	35
12723	4.104590	34
12724	4.104624	34
12725	4.104658	34
12726	4.104692	34
12727	4.104726	34
12728	4.104760	34
12729	4.104794	34
12730	4.104828	35
12731	4.104863	34
12732	4.104897	34
12733	4.104931	34
12734	4.104965	34
12735	4.104999	34
12736	4.105033	34
12737	4.105067	34
12738	4.105101	34
12739	4.105135	34
12740	4.105169	35
12741	4.105204	34
12742	4.105238	34
12743	4.105272	34
12744	4.105306	34
12745	4.105340	34
12746	4.105374	34
12747	4.105408	34
12748	4.105442	34
12749	4.105476	34
12750	4.105510	

Nomb.	3. 32′ 30″ Logarith.	D.
12750	4.105510	34
12751	4.105544	34
12752	4.105578	34
12753	4.105612	34
12754	4.105646	35
12755	4.105681	34
12756	4.105715	34
12757	4.105749	34
12758	4.105783	34
12759	4.105817	34
12760	4.105851	34
12761	4.105885	34
12762	4.105919	34
12763	4.105953	34
12764	4.105987	34
12765	4.106021	34
12766	4.106055	34
12767	4.106089	34
12768	4.106123	34
12769	4.106157	34
12770	4.106191	34
12771	4.106225	34
12772	4.106259	34
12773	4.106293	34
12774	4.106327	34
12775	4.106361	34
12776	4.106395	34
12777	4.106429	34
12778	4.106463	34
12779	4.106497	34
12780	4.106531	34
12781	4.106565	34
12782	4.106599	34
12783	4.106633	34
12784	4.106667	34
12785	4.106701	34
12786	4.106735	34
12787	4.106769	34
12788	4.106803	34
12789	4.106837	34
12790	4.106871	34
12791	4.106905	34
12792	4.106939	33
12793	4.106972	34
12794	4.107006	34
12795	4.107040	34
12796	4.107074	34
12797	4.107108	34
12798	4.107142	34
12799	4.107176	34
12800	4.107210	

Nomb.	3. 33′ 20″ Logarith.	D.
12800	4.107210	34
12801	4.107244	34
12802	4.107278	34
12803	4.107312	34
12804	4.107346	34
12805	4.107380	33
12806	4.107413	34
12807	4.107447	34
12808	4.107481	34
12809	4.107515	34
12810	4.107549	34
12811	4.107583	34
12812	4.107617	34
12813	4.107651	34
12814	4.107685	34
12815	4.107719	33
12816	4.107752	34
12817	4.107786	34
12818	4.107820	34
12819	4.107854	34
12820	4.107888	34
12821	4.107922	34
12822	4.107956	34
12823	4.107990	34
12824	4.108024	33
12825	4.108057	34
12826	4.108091	34
12827	4.108125	34
12828	4.108159	34
12829	4.108193	34
12830	4.108227	34
12831	4.108261	33
12832	4.108294	34
12833	4.108328	34
12834	4.108362	34
12835	4.108396	34
12836	4.108430	34
12837	4.108464	33
12838	4.108497	34
12839	4.108531	34
12840	4.108565	34
12841	4.108599	34
12842	4.108633	33
12843	4.108666	34
12844	4.108700	34
12845	4.108734	34
12846	4.108768	34
12847	4.108802	34
12848	4.108836	33
12849	4.108869	34
12850	4.108903	

Nomb.	3. 34′ 10″ Logarith.	D.
12850	4.108903	34
12851	4.108937	34
12852	4.108971	34
12853	4.109005	33
12854	4.109038	34
12855	4.109072	34
12856	4.109106	34
12857	4.109140	33
12858	4.109173	34
12859	4.109207	34
12860	4.109241	34
12861	4.109275	34
12862	4.109309	33
12863	4.109342	34
12864	4.109376	34
12865	4.109410	34
12866	4.109444	33
12867	4.109477	34
12868	4.109511	34
12869	4.109545	34
12870	4.109579	33
12871	4.109612	34
12872	4.109646	34
12873	4.109680	34
12874	4.109714	33
12875	4.109747	34
12876	4.109781	34
12877	4.109815	33
12878	4.109848	34
12879	4.109882	34
12880	4.109916	34
12881	4.109950	33
12882	4.109983	34
12883	4.110017	34
12884	4.110051	33
12885	4.110084	34
12886	4.110118	34
12887	4.110152	34
12888	4.110186	33
12889	4.110219	34
12890	4.110253	34
12891	4.110287	33
12892	4.110320	34
12893	4.110354	34
12894	4.110388	33
12895	4.110421	34
12896	4.110455	34
12897	4.110489	33
12898	4.110522	34
12899	4.110556	34
12900	4.110590	

Nomb.	3. 35' 0" Logarith.	D.
12900	4.110590	33
12901	4.110623	34
12902	4.110657	34
12903	4.110691	33
12904	4.110724	34
12905	4.110758	34
12906	4.110792	33
12907	4.110825	34
12908	4.110859	34
12909	4.110893	33
12910	4.110926	34
12911	4.110960	34
12912	4.110994	33
12913	4.111027	34
12914	4.111061	33
12915	4.111094	34
12916	4.111128	34
12917	4.111162	33
12918	4.111195	34
12919	4.111229	34
12920	4.111263	33
12921	4.111296	34
12922	4.111330	33
12923	4.111363	34
12924	4.111397	34
12925	4.111431	33
12926	4.111464	34
12927	4.111498	33
12928	4.111531	34
12929	4.111565	34
12930	4.111599	33
12931	4.111632	34
12932	4.111666	33
12933	4.111699	34
12934	4.111733	33
12935	4.111766	34
12936	4.111800	34
12937	4.111834	33
12938	4.111867	34
12939	4.111901	33
12940	4.111934	34
12941	4.111968	33
12942	4.112001	34
12943	4.112035	34
12944	4.112069	33
12945	4.112102	34
12946	4.112136	33
12947	4.112169	34
12948	4.112203	33
12949	4.112236	34
12950	4.112270	

Nomb.	3. 35' 50" Logarith.	D.
12950	4.112270	33
12951	4.112303	34
12952	4.112337	33
12953	4.112370	34
12954	4.112404	33
12955	4.112437	34
12956	4.112471	34
12957	4.112505	33
12958	4.112538	34
12959	4.112572	33
12960	4.112605	34
12961	4.112639	33
12962	4.112672	34
12963	4.112706	33
12964	4.112739	34
12965	4.112773	33
12966	4.112806	34
12967	4.112840	33
12968	4.112873	34
12969	4.112907	33
12970	4.112940	34
12971	4.112974	33
12972	4.113007	33
12973	4.113040	34
12974	4.113074	33
12975	4.113107	34
12976	4.113141	33
12977	4.113174	34
12978	4.113208	33
12979	4.113241	34
12980	4.113275	33
12981	4.113308	34
12982	4.113342	33
12983	4.113375	34
12984	4.113409	33
12985	4.113442	33
12986	4.113475	34
12987	4.113509	33
12988	4.113542	34
12989	4.113576	33
12990	4.113609	34
12991	4.113643	33
12992	4.113676	33
12993	4.113709	34
12994	4.113743	33
12995	4.113776	34
12996	4.113810	33
12997	4.113843	34
12998	4.113877	33
12999	4.113910	33
13000	4.113943	

Nomb.	3. 36' 40" Logarith.	D.
13000	4.113943	34
13001	4.113977	33
13002	4.114010	34
13003	4.114044	33
13004	4.114077	33
13005	4.114110	34
13006	4.114144	33
13007	4.114177	34
13008	4.114211	33
13009	4.114244	33
13010	4.114277	34
13011	4.114311	33
13012	4.114344	33
13013	4.114377	34
13014	4.114411	33
13015	4.114444	34
13016	4.114478	33
13017	4.114511	33
13018	4.114544	34
13019	4.114578	33
13020	4.114611	33
13021	4.114644	34
13022	4.114678	33
13023	4.114711	33
13024	4.114744	34
13025	4.114778	33
13026	4.114811	33
13027	4.114844	34
13028	4.114878	33
13029	4.114911	33
13030	4.114944	34
13031	4.114978	33
13032	4.115011	33
13033	4.115044	34
13034	4.115078	33
13035	4.115111	33
13036	4.115144	34
13037	4.115178	33
13038	4.115211	33
13039	4.115244	34
13040	4.115278	33
13041	4.115311	33
13042	4.115344	34
13043	4.115378	33
13044	4.115411	33
13045	4.115444	33
13046	4.115477	34
13047	4.115511	33
13048	4.115544	33
13049	4.115577	34
13050	4.115611	

Nomb.	3. 37' 30" Logarith.	D.
13050	4.115611	33
13051	4.115644	33
13052	4.115677	33
13053	4.115710	34
13054	4.115744	33
13055	4.115777	33
13056	4.115810	33
13057	4.115843	34
13058	4.115877	33
13059	4.115910	33
13060	4.115943	33
13061	4.115976	34
13062	4.116010	33
13063	4.116043	33
13064	4.116076	33
13065	4.116109	34
13066	4.116143	33
13067	4.116176	33
13068	4.116209	33
13069	4.116242	34
13070	4.116276	33
13071	4.116309	33
13072	4.116342	33
13073	4.116375	34
13074	4.116409	33
13075	4.116442	33
13076	4.116475	33
13077	4.116508	33
13078	4.116541	34
13079	4.116575	33
13080	4.116608	33
13081	4.116641	33
13082	4.116674	33
13083	4.116707	34
13084	4.116741	33
13085	4.116774	33
13086	4.116807	33
13087	4.116840	33
13088	4.116873	34
13089	4.116907	33
13090	4.116940	33
13091	4.116973	33
13092	4.117006	33
13093	4.117039	33
13094	4.117072	34
13095	4.117106	33
13096	4.117139	33
13097	4.117172	33
13098	4.117205	33
13099	4.117238	33
13100	4.117271	

Nomb.	3. 38' 20" Logarith.	D.
13100	4.117271	33
13101	4.117304	34
13102	4.117338	33
13103	4.117371	33
13104	4.117404	33
13105	4.117437	33
13106	4.117470	33
13107	4.117503	33
13108	4.117536	34
13109	4.117570	33
13110	4.117603	33
13111	4.117636	33
13112	4.117669	33
13113	4.117702	33
13114	4.117735	33
13115	4.117768	33
13116	4.117801	34
13117	4.117835	33
13118	4.117868	33
13119	4.117901	33
13120	4.117934	33
13121	4.117967	33
13122	4.118000	33
13123	4.118033	33
13124	4.118066	33
13125	4.118099	33
13126	4.118132	34
13127	4.118166	33
13128	4.118199	33
13129	4.118232	33
13130	4.118265	33
13131	4.118298	33
13132	4.118331	33
13133	4.118364	33
13134	4.118397	33
13135	4.118430	33
13136	4.118463	33
13137	4.118496	33
13138	4.118529	33
13139	4.118562	33
13140	4.118595	33
13141	4.118628	34
13142	4.118662	33
13143	4.118695	33
13144	4.118728	33
13145	4.118761	33
13146	4.118794	33
13147	4.118827	33
13148	4.118860	33
13149	4.118893	33
13150	4.118926	

Nomb.	3. 39' 10" Logarith.	D.
13150	4.118926	33
13151	4.118959	33
13152	4.118992	33
13153	4.119025	33
13154	4.119058	33
13155	4.119091	33
13156	4.119124	33
13157	4.119157	33
13158	4.119190	33
13159	4.119223	33
13160	4.119256	33
13161	4.119289	33
13162	4.119322	33
13163	4.119355	33
13164	4.119388	33
13165	4.119421	33
13166	4.119454	33
13167	4.119487	33
13168	4.119520	33
13169	4.119553	33
13170	4.119586	33
13171	4.119619	33
13172	4.119652	33
13173	4.119685	33
13174	4.119718	33
13175	4.119751	33
13176	4.119784	33
13177	4.119817	33
13178	4.119850	33
13179	4.119883	32
13180	4.119915	33
13181	4.119948	33
13182	4.119981	33
13183	4.120014	33
13184	4.120047	33
13185	4.120080	33
13186	4.120113	33
13187	4.120146	33
13188	4.120179	33
13189	4.120212	33
13190	4.120245	33
13191	4.120278	33
13192	4.120311	33
13193	4.120344	33
13194	4.120377	32
13195	4.120409	33
13196	4.120442	33
13197	4.120475	33
13198	4.120508	33
13199	4.120541	33
13200	4.120574	

Nomb.	3. 40′ 0″ Logarith.	D.
13200	4.120574	33
13201	4.120607	33
13202	4.120640	33
13203	4.120673	33
13204	4.120706	32
13205	4.120738	33
13206	4.120771	33
13207	4.120804	33
13208	4.120837	33
13209	4.120870	33
13210	4.120903	33
13211	4.120936	33
13212	4.120969	32
13213	4.121001	33
13214	4.121034	33
13215	4.121067	33
13216	4.121100	33
13217	4.121133	33
13218	4.121166	33
13219	4.121199	32
13220	4.121231	33
13221	4.121264	33
13222	4.121297	33
13223	4.121330	33
13224	4.121363	33
13225	4.121396	33
13226	4.121429	32
13227	4.121461	33
13228	4.121494	33
13229	4.121527	33
13230	4.121560	33
13231	4.121593	32
13232	4.121625	33
13233	4.121658	33
13234	4.121691	33
13235	4.121724	33
13236	4.121757	33
13237	4.121790	32
13238	4.121822	33
13239	4.121855	33
13240	4.121888	33
13241	4.121921	33
13242	4.121954	32
13243	4.121986	33
13244	4.122019	33
13245	4.122052	33
13246	4.122085	33
13247	4.122118	32
13248	4.122150	33
13249	4.122183	33
13250	4.122216	

Nomb.	3. 40′ 50″ Logarith.	D.
13250	4.122216	33
13251	4.122249	32
13252	4.122281	33
13253	4.122314	33
13254	4.122347	33
13255	4.122380	32
13256	4.122412	33
13257	4.122445	33
13258	4.122478	33
13259	4.122511	33
13260	4.122544	32
13261	4.122576	33
13262	4.122609	33
13263	4.122642	33
13264	4.122675	32
13265	4.122707	33
13266	4.122740	33
13267	4.122773	32
13268	4.122805	33
13269	4.122838	33
13270	4.122871	33
13271	4.122904	32
13272	4.122936	33
13273	4.122969	33
13274	4.123002	33
13275	4.123035	32
13276	4.123067	33
13277	4.123100	33
13278	4.123133	32
13279	4.123165	33
13280	4.123198	33
13281	4.123231	32
13282	4.123263	33
13283	4.123296	33
13284	4.123329	33
13285	4.123362	32
13286	4.123394	33
13287	4.123427	33
13288	4.123460	32
13289	4.123492	33
13290	4.123525	33
13291	4.123558	32
13292	4.123590	33
13293	4.123623	33
13294	4.123656	32
13295	4.123688	33
13296	4.123721	33
13297	4.123754	32
13298	4.123786	33
13299	4.123819	33
13300	4.123852	

Nomb.	3. 41′ 40″ Logarith.	D.
13300	4.123852	32
13301	4.123884	33
13302	4.123917	33
13303	4.123950	32
13304	4.123982	33
13305	4.124015	33
13306	4.124048	32
13307	4.124080	33
13308	4.124113	32
13309	4.124145	33
13310	4.124178	33
13311	4.124211	32
13312	4.124243	33
13313	4.124276	33
13314	4.124309	32
13315	4.124341	33
13316	4.124374	32
13317	4.124406	33
13318	4.124439	33
13319	4.124472	32
13320	4.124504	33
13321	4.124537	32
13322	4.124569	33
13323	4.124602	33
13324	4.124635	32
13325	4.124667	33
13326	4.124700	32
13327	4.124732	33
13328	4.124765	33
13329	4.124798	32
13330	4.124830	33
13331	4.124863	32
13332	4.124895	33
13333	4.124928	32
13334	4.124960	33
13335	4.124993	33
13336	4.125026	32
13337	4.125058	33
13338	4.125091	32
13339	4.125123	33
13340	4.125156	32
13341	4.125188	33
13342	4.125221	32
13343	4.125253	33
13344	4.125286	33
13345	4.125319	32
13346	4.125351	33
13347	4.125384	32
13348	4.125416	33
13349	4.125449	32
13350	4.125481	

Nomb.	3. 42' 30" Logarith.	D.
13350	4.125481	33
13351	4.125514	32
13352	4.125546	33
13353	4.125579	32
13354	4.125611	33
13355	4.125644	32
13356	4.125676	33
13357	4.125709	32
13358	4.125741	33
13359	4.125774	33
13360	4.125807	32
13361	4.125839	33
13362	4.125872	32
13363	4.125904	33
13364	4.125937	32
13365	4.125969	33
13366	4.126002	32
13367	4.126034	32
13368	4.126066	33
13369	4.126099	32
13370	4.126131	33
13371	4.126164	32
13372	4.126196	33
13373	4.126229	32
13374	4.126261	33
13375	4.126294	32
13376	4.126326	33
13377	4.126359	32
13378	4.126391	33
13379	4.126424	32
13380	4.126456	33
13381	4.126489	32
13382	4.126521	33
13383	4.126554	32
13384	4.126586	32
13385	4.126618	33
13386	4.126651	32
13387	4.126683	33
13388	4.126716	32
13389	4.126748	33
13390	4.126781	32
13391	4.126813	32
13392	4.126845	33
13393	4.126878	32
13394	4.126910	33
13395	4.126943	32
13396	4.126975	33
13397	4.127008	32
13398	4.127040	32
13399	4.127072	33
13400	4.127105	

Nomb.	3. 43' 20" Logarith.	D.
13400	4.127105	32
13401	4.127137	33
13402	4.127170	32
13403	4.127202	32
13404	4.127234	33
13405	4.127267	32
13406	4.127299	33
13407	4.127332	32
13408	4.127364	32
13409	4.127396	33
13410	4.127429	32
13411	4.127461	33
13412	4.127494	32
13413	4.127526	32
13414	4.127558	33
13415	4.127591	32
13416	4.127623	32
13417	4.127655	33
13418	4.127688	32
13419	4.127720	33
13420	4.127753	32
13421	4.127785	32
13422	4.127817	33
13423	4.127850	32
13424	4.127882	32
13425	4.127914	33
13426	4.127947	32
13427	4.127979	32
13428	4.128011	33
13429	4.128044	32
13430	4.128076	32
13431	4.128108	33
13432	4.128141	32
13433	4.128173	32
13434	4.128205	33
13435	4.128238	32
13436	4.128270	32
13437	4.128302	33
13438	4.128335	32
13439	4.128367	32
13440	4.128399	33
13441	4.128432	32
13442	4.128464	32
13443	4.128496	33
13444	4.128529	32
13445	4.128561	32
13446	4.128593	32
13447	4.128625	33
13448	4.128658	32
13449	4.128690	32
13450	4.128722	

Nomb.	3. 44' 10" Logarith.	D.
13450	4.128722	33
13451	4.128755	32
13452	4.128787	32
13453	4.128819	32
13454	4.128851	33
13455	4.128884	32
13456	4.128916	32
13457	4.128948	33
13458	4.128981	32
13459	4.129013	32
13460	4.129045	32
13461	4.129077	33
13462	4.129110	32
13463	4.129142	32
13464	4.129174	32
13465	4.129206	33
13466	4.129239	32
13467	4.129271	32
13468	4.129303	32
13469	4.129335	33
13470	4.129368	32
13471	4.129400	32
13472	4.129432	32
13473	4.129464	33
13474	4.129497	32
13475	4.129529	32
13476	4.129561	32
13477	4.129593	33
13478	4.129626	32
13479	4.129658	32
13480	4.129690	32
13481	4.129722	32
13482	4.129754	33
13483	4.129787	32
13484	4.129819	32
13485	4.129851	32
13486	4.129883	32
13487	4.129915	33
13488	4.129948	32
13489	4.129980	32
13490	4.130012	32
13491	4.130044	32
13492	4.130076	33
13493	4.130109	32
13494	4.130141	32
13495	4.130173	32
13496	4.130205	32
13497	4.130237	32
13498	4.130269	33
13499	4.130302	32
13500	4.130334	

Nomb.	3. 45′ 0″ Logarith.	D.
13500	4.130334	32
13501	4.130366	32
13502	4.130398	32
13503	4.130430	32
13504	4.130462	33
13505	4.130495	32
13506	4.130527	32
13507	4.130559	32
13508	4.130591	32
13509	4.130623	32
13510	4.130655	33
13511	4.130688	32
13512	4.130720	32
13513	4.130752	32
13514	4.130784	32
13515	4.130816	32
13516	4.130848	32
13517	4.130880	32
13518	4.130912	33
13519	4.130945	32
13520	4.130977	32
13521	4.131009	32
13522	4.131041	32
13523	4.131073	32
13524	4.131105	32
13525	4.131137	32
13526	4.131169	33
13527	4.131202	32
13528	4.131234	32
13529	4.131266	32
13530	4.131298	32
13531	4.131330	32
13532	4.131362	32
13533	4.131394	32
13534	4.131426	32
13535	4.131458	32
13536	4.131490	32
13537	4.131522	33
13538	4.131555	32
13539	4.131587	32
13540	4.131619	32
13541	4.131651	32
13542	4.131683	32
13543	4.131715	32
13544	4.131747	32
13545	4.131779	32
13546	4.131811	32
13547	4.131843	32
13548	4.131875	32
13549	4.131907	32
13550	4.131939	32

Nomb.	3. 45′ 50″ Logarith.	D.
13550	4.131939	32
13551	4.131971	32
13552	4.132003	32
13553	4.132035	32
13554	4.132067	33
13555	4.132100	32
13556	4.132132	32
13557	4.132164	32
13558	4.132196	32
13559	4.132228	32
13560	4.132260	32
13561	4.132292	32
13562	4.132324	32
13563	4.132356	32
13564	4.132388	32
13565	4.132420	32
13566	4.132452	32
13567	4.132484	32
13568	4.132516	32
13569	4.132548	32
13570	4.132580	32
13571	4.132612	32
13572	4.132644	32
13573	4.132676	32
13574	4.132708	32
13575	4.132740	32
13576	4.132772	32
13577	4.132804	32
13578	4.132836	32
13579	4.132868	32
13580	4.132900	32
13581	4.132932	32
13582	4.132964	32
13583	4.132996	32
13584	4.133028	32
13585	4.133060	32
13586	4.133092	32
13587	4.133124	32
13588	4.133156	31
13589	4.133187	32
13590	4.133219	32
13591	4.133251	32
13592	4.133283	32
13593	4.133315	32
13594	4.133347	32
13595	4.133379	32
13596	4.133411	32
13597	4.133443	32
13598	4.133475	32
13599	4.133507	32
13600	4.133539	32

Nomb.	3. 46′ 40″ Logarith.	D.
13600	4.133539	32
13601	4.133571	32
13602	4.133603	32
13603	4.133635	32
13604	4.133667	32
13605	4.133699	31
13606	4.133730	32
13607	4.133762	32
13608	4.133794	32
13609	4.133826	32
13610	4.133858	32
13611	4.133890	32
13612	4.133922	32
13613	4.133954	32
13614	4.133986	32
13615	4.134018	32
13616	4.134050	31
13617	4.134081	32
13618	4.134113	32
13619	4.134145	32
13620	4.134177	32
13621	4.134209	32
13622	4.134241	32
13623	4.134273	32
13624	4.134305	32
13625	4.134337	31
13626	4.134368	32
13627	4.134400	32
13628	4.134432	32
13629	4.134464	32
13630	4.134496	32
13631	4.134528	32
13632	4.134560	31
13633	4.134591	32
13634	4.134623	32
13635	4.134655	32
13636	4.134687	32
13637	4.134719	32
13638	4.134751	32
13639	4.134783	31
13640	4.134814	32
13641	4.134846	32
13642	4.134878	32
13643	4.134910	32
13644	4.134942	32
13645	4.134974	31
13646	4.135005	32
13647	4.135037	32
13648	4.135069	32
13649	4.135101	32
13650	4.135133	

Nomb.	3. 47′ 30″ Logarith.	D.
13650	4.135133	31
13651	4.135164	32
13652	4.135196	32
13653	4.135228	32
13654	4.135260	32
13655	4.135292	32
13656	4.135324	31
13657	4.135355	32
13658	4.135387	32
13659	4.135419	32
13660	4.135451	31
13661	4.135482	32
13662	4.135514	32
13663	4.135546	32
13664	4.135578	32
13665	4.135610	31
13666	4.135641	32
13667	4.135673	32
13668	4.135705	32
13669	4.135737	32
13670	4.135769	31
13671	4.135800	32
13672	4.135832	32
13673	4.135864	32
13674	4.135896	31
13675	4.135927	32
13676	4.135959	32
13677	4.135991	32
13678	4.136023	31
13679	4.136054	32
13680	4.136086	32
13681	4.136118	32
13682	4.136150	31
13683	4.136181	32
13684	4.136213	32
13685	4.136245	32
13686	4.136277	31
13687	4.136308	32
13688	4.136340	32
13689	4.136372	31
13690	4.136403	32
13691	4.136435	32
13692	4.136467	32
13693	4.136499	31
13694	4.136530	32
13695	4.136562	32
13696	4.136594	31
13697	4.136625	32
13698	4.136657	32
13699	4.136689	32
13700	4.136721	

Nomb.	3. 48 20″ Logarith.	D.
13700	4.136721	31
13701	4.136752	32
13702	4.136784	32
13703	4.136816	31
13704	4.136847	32
13705	4.136879	32
13706	4.136911	31
13707	4.136942	32
13708	4.136974	32
13709	4.137006	31
13710	4.137037	32
13711	4.137069	32
13712	4.137101	31
13713	4.137132	32
13714	4.137164	32
13715	4.137196	31
13716	4.137227	32
13717	4.137259	32
13718	4.137291	31
13719	4.137322	32
13720	4.137354	32
13721	4.137386	31
13722	4.137417	32
13723	4.137449	32
13724	4.137481	31
13725	4.137512	32
13726	4.137544	32
13727	4.137576	31
13728	4.137607	32
13729	4.137639	32
13730	4.137671	31
13731	4.137702	32
13732	4.137734	31
13733	4.137765	32
13734	4.137797	32
13735	4.137829	31
13736	4.137860	32
13737	4.137892	32
13738	4.137924	31
13739	4.137955	32
13740	4.137987	31
13741	4.138018	32
13742	4.138050	32
13743	4.138082	31
13744	4.138113	32
13745	4.138145	31
13746	4.138176	32
13747	4.138208	32
13748	4.138240	31
13749	4.138271	32
13750	4.138303	

Nomb.	3. 49′ 10″ Logarith.	D.
13750	4.138303	31
13751	4.138334	32
13752	4.138366	31
13753	4.138397	32
13754	4.138429	32
13755	4.138461	31
13756	4.138492	32
13757	4.138524	31
13758	4.138555	32
13759	4.138587	31
13760	4.138618	32
13761	4.138650	32
13762	4.138682	31
13763	4.138713	32
16764	4.138745	31
13765	4.138776	32
13766	4.138808	31
13767	4.138839	32
13768	4.138871	31
13769	4.138902	32
13770	4.138934	31
13771	4.138965	32
13772	4.138997	32
13773	4.139029	31
13774	4.139060	32
13775	4.139092	31
13776	4.139123	32
13777	4.139155	31
13778	4.139186	32
13779	4.139218	31
13780	4.139249	32
13781	4.139281	31
13782	4.139312	32
13783	4.139344	31
13784	4.139375	32
13785	4.139407	31
13786	4.139438	32
13787	4.139470	31
13788	4.139501	32
13789	4.139533	31
13790	4.139564	32
13791	4.139596	31
13792	4.139627	32
13793	4.139659	31
13794	4.139690	32
13795	4.139722	31
13796	4.139753	32
13797	4.139785	31
13798	4.139816	32
13799	4.139848	31
13800	4.139879	

Nomb.	3. 50′ 0″ Logarith.	D.
13800	4.139879	
13801	4.139911	32
13802	4.139942	31
13803	4.139973	31
13804	4.140005	32
13805	4.140036	31
13806	4.140068	32
13807	4.140099	31
13808	4.140131	32
13809	4.140162	31
13810	4.140194	32
13811	4.140225	31
13812	4.140257	32
13813	4.140288	31
13814	4.140319	31
13815	4.140351	32
13816	4.140382	31
13817	4.140414	32
13818	4.140445	31
13819	4.140477	32
13820	4.140508	31
13821	4.140539	31
13822	4.140571	32
13823	4.140602	31
13824	4.140634	32
13825	4.140665	31
13826	4.140697	32
13827	4.140728	31
13828	4.140759	31
13829	4.140791	32
13830	4.140822	31
13831	4.140854	32
13832	4.140885	31
13833	4.140916	31
13834	4.140948	32
13835	4.140979	31
13836	4.141011	32
13837	4.141042	31
13838	4.141073	31
13839	4.141105	32
13840	4.141136	31
13841	4.141167	31
13842	4.141199	32
13843	4.141230	31
13844	4.141262	32
13845	4.141293	31
13846	4.141324	31
13847	4.141356	32
13848	4.141387	31
13849	4.141418	31
13850	4.141450	32

Nomb.	3. 50′ 50″ Logarith.	D.
13850	4.141450	
13851	4.141481	31
13852	4.141512	31
13853	4.141544	32
13854	4.141575	31
13855	4.141607	32
13856	4.141638	31
13857	4.141669	31
13858	4.141701	32
13859	4.141732	31
13860	4.141763	31
13861	4.141795	32
13862	4.141826	31
13863	4.141857	31
13864	4.141889	32
13865	4.141920	31
13866	4.141951	31
13867	4.141983	32
13868	4.142014	31
13869	4.142045	31
13870	4.142076	31
13871	4.142108	32
13872	4.142139	31
13873	4.142170	31
13874	4.142202	32
13875	4.142233	31
13876	4.142264	31
13877	4.142296	32
13878	4.142327	31
13879	4.142358	31
13880	4.142389	31
13881	4.142421	32
13882	4.142452	31
13883	4.142483	31
13884	4.142515	32
13885	4.142546	31
13886	4.142577	31
13887	4.142608	31
13888	4.142640	32
13889	4.142671	31
13890	4.142702	31
13891	4.142734	32
13892	4.142765	31
13893	4.142796	31
13894	4.142827	31
13895	4.142859	32
13896	4.142890	31
13897	4.142921	31
13898	4.142952	31
13899	4.142984	32
13900	4.143015	31

Nomb.	3. 51′ 40″ Logarith.	D.
13900	4.143015	
13901	4.143046	31
13902	4.143077	31
13903	4.143109	32
13904	4.143140	31
13905	4.143171	31
13906	4.143202	31
13907	4.143233	31
13908	4.143265	32
13909	4.143296	31
13910	4.143327	31
13911	4.143358	31
13912	4.143390	32
13913	4.143421	31
13914	4.143452	31
13915	4.143483	31
13916	4.143514	31
13917	4.143546	32
13918	4.143577	31
13919	4.173608	31
13920	4.143639	31
13921	4.143670	31
13922	4.143702	32
13923	4.143733	31
13924	4.143764	31
13925	4.143795	31
13926	4.143826	31
13927	4.143858	32
13928	4.143889	31
13929	4.143920	31
13930	4.143951	31
13931	4.143982	31
13932	4.144013	31
13933	4.144045	32
13934	4.144076	31
13935	4.144107	31
13936	4.144138	31
13937	4.144169	31
13938	4.144200	31
13939	4.144232	32
13940	4.144263	31
13941	4.144294	31
13942	4.144325	31
13943	4.144356	31
13944	4.144387	31
13945	4.144419	32
13946	4.144450	31
13947	4.144481	31
13948	4.144512	31
13949	4.144543	31
13950	4.144574	31

Nomb.	3. 52′ 30″ Logarith.	D.	Nomb.	3. 53′ 20″ Logarith.	D.	Nomb.	3. 54′ 10″ Logarith.	D.
13950	4.144574	31	14000	4.146128	31	14050	4.147676	31
13951	4.144605	31	14001	4.146159	31	14051	4.147707	31
13952	4.144636	32	14002	4.146190	31	14052	4.147738	31
13953	4.144668	31	14003	4.146221	31	14053	4.147769	31
13954	4.144699	31	14004	4.146252	31	14054	4.147800	31
13955	4.144730	31	14005	4.146283	31	14055	4.147831	31
13956	4.144761	31	14006	4.146314	31	14056	4.147862	31
13957	4.144792	31	14007	4.146345	31	14057	4.147893	31
13958	4.144823	31	14008	4.146376	31	14058	4.147924	30
13959	4.144854	31	14009	4.146407	31	14059	4.147954	31
13960	4.144885	32	14010	4.146438	31	14060	4.147985	31
13961	4.144917	31	14011	4.146469	31	14061	4.148016	31
13962	4.144948	31	14012	4.146500	31	14062	4.148047	31
13963	4.144979	31	14013	4.146531	31	14063	4.148078	31
13964	4.145010	31	14014	4.146562	31	14064	4.148109	31
13965	4.145041	31	14015	4.146593	31	14065	4.148140	31
13966	4.145072	31	14016	4.146624	31	14066	4.148171	30
13967	4.145103	31	14017	4.146655	31	14067	4.148201	31
13968	4.145134	31	14018	4.146686	31	14068	4.148232	31
13969	4.145165	31	14019	4.146717	31	14069	4.148263	31
13970	4.145196	31	14020	4.146748	31	14070	4.148294	31
13971	4.145227	32	14021	4.146779	31	14071	4.148325	31
13972	4.145259	31	14022	4.146810	31	14072	4.148356	31
13973	4.145290	31	14023	4.146841	31	14073	4.148387	31
13974	4.145321	31	14024	4.146872	31	14074	4.148418	30
13975	4.145352	31	14025	4.146903	31	14075	4.148448	31
13976	4.145383	31	14026	4.146934	31	14076	4.148479	31
13977	4.145414	31	14027	4.146965	31	14077	4.148510	31
13978	4.145445	31	14028	4.146996	31	14078	4.148541	31
13979	4.145476	31	14029	4.147027	31	14079	4.148572	31
13980	4.145507	31	14030	4.147058	31	14080	4.148603	30
13981	4.145538	31	14031	4.147089	31	14081	4.148633	31
13982	4.145569	31	14032	4.147120	31	14082	4.148664	31
13983	4.145600	31	14033	4.147151	30	14083	4.148696	31
13984	4.145631	31	14034	4.147181	31	14084	4.148726	31
13985	4.145662	32	14035	4.147212	31	14085	4.148757	31
13986	4.145694	31	14036	4.147243	31	14086	4.148788	31
13987	4.145725	31	14037	4.147274	31	14987	4.148819	30
13988	4.145756	31	14038	4.147305	31	14088	4.148849	31
13989	4.145787	31	14039	4.147336	31	14089	4.148880	31
13990	4.145818	31	14040	4.147367	31	14090	4.148911	31
13991	4.145849	31	14041	4.147398	31	14091	4.148942	31
13992	4.145880	31	14042	4.147429	31	14092	4.148973	30
13993	4.145911	31	14043	4.147460	31	14093	4.149003	31
13994	4.145942	31	14044	4.147491	31	14094	4.149034	31
13995	4.145973	31	14045	4.147522	31	14095	4.149065	31
13996	4.146004	31	14046	4.147553	31	14096	4.149096	31
13997	4.146035	31	14047	4.147584	30	14097	4.149127	31
13998	4.146066	31	14048	4.147614	31	14098	4.149158	30
13999	4.146097	31	14049	4.147645	31	14099	4.149188	31
14000	4.146128		14050	4.147676		14100	4.149219	

Nomb.	3. 55' 0" Logarith.	D.
14100	4.149219	
14101	4.149250	31
14102	4.149281	31
14103	4.149312	31
14104	4.149342	30
14105	4.149373	31
14106	4.149404	31
14107	4.149435	31
14108	4.149465	30
14109	4.149496	31
14110	4.149527	31
14111	4.149558	31
14112	4.149589	31
14113	4.149619	30
14114	4.149650	31
14115	4.149681	31
14116	4.149712	31
14117	4.149742	30
14118	4.149773	31
14119	4.149804	31
14120	4.149835	31
14121	4.149865	30
14122	4.149896	31
14123	4.149927	31
14124	4.149958	31
14125	4.149988	30
14126	4.150019	31
14127	4.150050	31
14128	4.150081	31
14129	4.150111	30
14130	4.150142	31
14131	4.150173	31
14132	4.150204	31
14133	4.150234	30
14134	4.150265	31
14135	4.150296	31
14136	4.150327	31
14137	4.150357	30
14138	4.150388	31
14139	4.150419	31
14140	4.150449	30
14141	4.150480	31
14142	4.150511	31
14143	4.150542	31
14144	4.150572	30
14145	4.150603	31
14146	4.150634	31
14147	4.150664	30
14148	4.150695	31
14149	4.150726	31
14150	4.150756	30

Nomb.	3. 55' 50" Logarith.	D.
14150	4.150756	
14151	4.150787	31
14152	4.150818	31
14153	4.150849	31
14154	4.150879	30
14155	4.150910	31
14156	4.150941	31
14157	4.150971	30
14158	4.151002	31
14159	4.151033	31
14160	4.151063	30
14161	4.151094	31
14162	4.151125	31
14163	4.151155	30
14164	4.151186	31
14165	4.151217	31
14166	4.151247	30
14167	4.151278	31
14168	4.151309	31
14169	4.151339	30
14170	4.151370	31
14171	4.151400	30
14172	4.151431	31
14173	4.151462	31
14174	4.151492	30
14175	4.151523	31
14176	4.151554	31
14177	4.151584	30
14178	4.151615	31
14179	4.151646	31
14180	4.151676	30
14181	4.151707	31
14182	4.151737	30
14183	4.151768	31
14184	4.151799	31
14185	4.151829	30
14186	4.151860	31
14187	4.151891	31
14188	4.151921	30
14189	4.151952	31
14190	4.151982	30
14191	4.152013	31
14192	4.152044	31
14193	4.152074	30
14194	4.152105	31
14195	4.152135	30
14196	4.152166	31
14197	4.152197	31
14198	4.152227	30
14199	4.152258	31
14200	4.152288	30

Nomb.	3. 56' 40" Logarith.	D.
14200	4.152288	
14201	4.152319	31
14202	4.152350	31
14203	4.152380	30
14204	4.152411	31
14205	4.152441	30
14206	4.152472	31
14207	4.152502	30
14208	4.152533	31
14209	4.152564	31
14210	4.152594	30
14211	4.152625	31
14212	4.152655	30
14213	4.152686	31
14214	4.152716	30
14215	4.152747	31
14216	4.152777	30
14217	4.152808	31
14218	4.152839	31
14219	4.152869	30
14220	4.152900	31
14221	4.152930	30
14222	4.152961	31
14223	4.152991	30
14224	4.153022	31
14225	4.153052	30
14226	4.153083	31
14227	4.153113	30
14228	4.153144	31
14229	4.153174	30
14230	4.153205	31
14231	4.153235	30
14232	4.153266	31
14233	4.153296	30
14234	4.153327	31
14235	4.153357	30
14236	4.153388	31
14237	4.153418	30
14238	4.153449	31
14239	4.153479	30
14240	4.153510	31
14241	4.153540	30
14242	4.153571	31
14243	4.153601	30
14244	4.153632	31
14245	4.153662	30
14246	4.153693	31
14247	4.153723	30
14248	4.153754	31
14249	4.153784	30
14250	4.153815	31

Nomb.	3. 57' 30" Logarith.	D.
14250	4.153815	
14251	4.153845	30
14252	4.153876	31
14253	4.153906	30
14254	4.153937	31
14255	4.153967	30
14256	4.153998	31
14257	4.154028	30
14258	4.154059	31
14259	4.154089	30
14260	4.154120	31
14261	4.154150	30
14262	4.154180	30
14263	4.154211	31
14264	4.154241	30
14265	4.154272	31
14266	4.154302	30
14267	4.154333	31
14268	4.154363	30
14269	4.154394	31
14270	4.154424	30
14271	4.154454	30
14272	4.154485	31
14273	4.154515	30
14274	4.154546	31
14275	4.154576	30
14276	4.154607	31
14277	4.154637	30
14278	4.154667	30
14279	4.154698	31
14280	4.154728	30
14281	4.154759	31
14282	4.154789	30
14283	4.154819	30
14284	4.154850	31
14285	4.154880	30
14286	4.154911	31
14287	4.154941	30
14288	4.154971	30
14289	4.155002	31
14290	4.155032	30
14291	4.155063	31
14292	4.155093	30
14293	4.155123	30
14294	4.155154	31
14295	4.155184	30
14296	4.155215	31
14297	4.155245	30
14298	4.155275	30
14299	4.155306	31
14300	4.155336	30

Nomb.	3. 58' 20" Logarith.	D.
14300	4.155336	
14301	4.155366	30
14302	4.155397	31
14303	4.155427	30
14304	4.155458	31
14305	4.155488	30
14306	4.155518	30
14307	4.155549	31
14308	4.155579	30
14309	4.155609	30
14310	4.155640	31
14311	4.155670	30
14312	4.155700	30
14313	4.155731	31
14314	4.155761	30
14315	4.155791	30
14316	4.155822	31
14317	4.155852	30
14318	4.155882	30
14319	4.155913	31
14320	4.155943	30
14321	4.155973	30
14322	4.156004	31
14323	4.156034	30
14324	4.156064	30
14325	4.156095	31
14326	4.156125	30
14327	4.156155	30
14328	4.156186	31
14329	4.156216	30
14330	4.156246	30
14331	4.156276	30
14332	4.156307	31
14333	4.156337	30
14334	4.156367	30
14335	4.156398	31
14336	4.156428	30
14337	4.156458	30
14338	4.156489	31
14339	4.156519	30
14340	4.156549	30
14341	4.156579	30
14342	4.156610	31
14343	4.156640	30
14344	4.156670	30
14345	4.156701	31
14346	4.156731	30
14347	4.156761	30
14348	4.156791	30
14349	4.156822	31
14350	4.156852	30

Nomb.	3. 59' 10" Logarith.	D.
14350	4.156852	
14351	4.156882	30
14352	4.156912	30
14353	4.156943	31
14354	4.156973	30
14355	4.157003	30
14356	4.157033	30
14357	4.157064	31
14358	4.157094	30
14359	4.157124	30
14360	4.157154	30
14361	4.157185	31
14362	4.157215	30
14363	4.157245	30
14364	4.157275	30
14365	4.157306	31
14366	4.157336	30
14367	4.157366	30
14368	4.157396	30
14369	4.157427	31
14370	4.157457	30
14371	4.157487	30
14372	4.157517	30
14373	4.157547	30
14374	4.157578	31
14375	4.157608	30
14376	4.157638	30
14377	4.157668	30
14378	4.157698	30
14379	4.157729	31
14380	4.157759	30
14381	4.157789	30
14382	4.157819	30
14383	4.157849	30
14384	4.157880	31
14385	4.157910	30
14386	4.157940	30
14387	4.157970	30
14388	4.158000	30
14389	4.158031	31
14390	4.158061	30
14391	4.158091	30
14392	4.158121	30
14393	4.158151	30
14394	4.158181	30
14395	4.158212	31
14396	4.158242	30
14397	4.158272	30
14398	4.158302	30
14399	4.158332	30
14400	4.158362	30

Nomb.	4. 0' 0" Logarithe.	D.	Nomb.	4. 0" 50" Logarith.	D.	Nomb.	4. 1' 40" Logarith.	D.
14400	4.158362		14450	4.159868		14500	4.161368	
14401	4.158393	31	14451	4.159898	30	14501	4.161398	30
14402	4.158423	30	14452	4.159928	30	14502	4.161428	30
14403	4.158453	30	14453	4.159958	30	14503	4.161458	30
14404	4.158483	30	14454	4.159988	30	14504	4.161488	30
14405	4.158513	30	14455	4.160018	30	14505	4.161518	30
14406	4.158543	30	14456	4.160048	30	14506	4.161548	30
14407	4.158574	31	14457	4.160078	30	14507	4.161578	30
14408	4.158604	30	14458	4.160108	30	14508	4.161608	30
14409	4.158634	30	14459	4.160138	30	14509	4.161637	29
14410	4.158664	30	14460	4.160168	30	14510	4.161667	30
14411	4.158694	30	14461	4.160198	30	14511	4.161697	30
14412	4.158724	30	14462	4.160228	30	14512	4.161727	30
14413	4.158754	30	14463	4.160258	30	14513	4.161757	30
14414	4.158785	31	14464	4.160288	30	14514	4.161787	30
14415	4.158815	30	14465	4.160318	30	14515	4.161817	30
14416	4.158845	30	14466	4.160348	30	14516	4.161847	30
14417	4.158875	30	14467	4.160378	30	14517	4.161877	30
14418	4.158905	30	14468	4.160409	31	14518	4.161907	30
14419	4.158935	30	14469	4.160439	30	14519	4.161937	30
14420	4.158965	30	14470	4.160469	30	14520	4.161967	30
14421	4.158995	30	14471	4.160499	30	14521	4.161997	29
14422	4.159025	31	14472	4.160529	30	14522	4.162026	30
14423	4.159056	30	14473	4.160559	30	14523	4.162056	30
14424	4.159086	30	14474	4.160589	30	14524	4.162086	30
14425	4.159116	30	14475	4.160619	30	14525	4.162116	30
14426	4.159146	30	14476	4.160649	30	14526	4.162146	30
14427	4.159176	30	14477	4.160679	30	14527	4.162176	30
14428	4.159206	30	14478	4.160709	30	14528	4.162206	30
14429	4.159236	30	14479	4.160739	30	14529	4.162236	30
14430	4.159266	30	14480	4.160769	30	14530	4.162266	30
14431	4.159296	31	14481	4.160799	30	14531	4.162296	29
14432	4.159327	30	14482	4.160829	30	14532	4.162325	30
14433	4.159357	30	14483	4.160859	30	14533	4.162355	30
14434	4.159387	30	14484	4.160889	29	14534	4.162385	30
14435	4.159417	30	14485	4.160918	30	14535	4.162415	30
14436	4.159447	30	14486	4.160948	30	14536	4.162445	30
14437	4.159477	30	14487	4.160978	30	14537	4.162475	30
14438	4.159507	30	14488	4.161008	30	14538	4.162505	30
14439	4.159537	30	14489	4.161038	30	14539	4.162535	29
14440	4.159567	30	14490	4.161068	30	14540	4.162564	30
14441	4.159597	30	14491	4.161098	30	14541	4.162594	30
14442	4.159627	30	14492	4.161128	30	14542	4.162624	30
14443	4.159657	30	14493	4.161158	30	14543	4.162654	30
14444	4.159687	31	14494	4.161188	30	14544	4.162684	30
14445	4.159718	30	14495	4.161218	30	14545	4.162714	30
14446	4.159748	30	14496	4.161248	30	14546	4.162744	29
14447	4.159778	30	14497	4.161278	30	14547	4.162773	30
14448	4.159808	30	14498	4.161308	30	14548	4.162803	30
14449	4.159838	30	14499	4.161338	30	14549	4.162833	30
14450	4.159868		14500	4.161368		14550	4.162863	

Nomb.	4. 2' 30" Logarith.	D.	Nomb.	4. 3' 20" Logarith.	D.	Nomb.	4. 4' 10" Logarith.	D.
14550	4.162863		14600	4.164353		14650	4.165838	
14551	4.162893	30	14601	4.164383	30	14651	4.165867	29
14552	4.162923	30	14602	4.164412	29	14652	4.165897	30
14553	4.162953	30	14603	4.164442	30	14653	4.165927	30
14554	4.162982	29	14604	4.164472	30	14654	4.165956	29
14555	4.163012	30	14605	4.164502	30	14655	4.165986	30
14556	4.163042	30	14606	4.164531	29	14656	4.166015	29
14557	4.163072	30	14607	4.164561	30	14657	4.166045	30
14558	4.163102	30	14608	4.164591	30	14658	4.166075	30
14559	4.163132	30	14609	4.164620	29	14659	4.166104	29
14560	4.163161	29	14610	4.164650	30	14660	4.166134	30
14561	4.163191	30	14611	4.164680	30	14661	4.166164	30
14562	4.163221	30	14612	4.164710	30	14662	4.166193	29
14563	4.163251	30	14613	4.164739	29	14663	4.166223	30
14564	4.163281	30	14614	4.164769	30	14664	4.166252	29
14565	4.163310	29	14615	4.164799	30	14665	4.166282	30
14566	4.163340	30	14616	4.164829	30	14666	4.166312	30
14567	4.163370	30	14617	4.164858	29	14667	4.166341	29
14568	4.163400	30	14618	4.164888	30	14668	4.166371	30
14569	4.163430	30	14619	4.164918	30	14669	4.166401	30
14570	4.163460	30	14620	4.164947	29	14670	4.166430	29
14571	4.163489	29	14621	4.164977	30	14671	4.166460	30
14572	4.163519	30	14622	4.165007	30	14672	4.166489	29
14573	4.163549	30	14623	4.165036	29	14673	4.166519	30
14574	4.163579	30	14624	4.165066	30	14674	4.166549	30
14575	4.163609	30	14625	4.165096	30	14675	4.166578	29
14576	4.163638	29	14626	4.165126	30	14676	4.166608	30
14577	4.163668	30	14627	4.165155	29	14677	4.166637	29
14578	4.163698	30	14628	4.165185	30	14678	4.166667	30
14579	4.163728	30	14629	4.165215	30	14679	4.166696	29
14580	4.163758	30	14630	4.165244	29	14680	4.166726	30
14581	4.163787	29	14631	4.165274	30	14681	4.166756	30
14582	4.163817	30	14632	4.165304	30	14682	4.166785	29
14583	4.163847	30	14633	4.165333	29	14683	4.166815	30
14584	4.163877	30	14634	4.165363	30	14684	4.166844	29
14585	4.163906	29	14635	4.165393	30	14685	4.166874	30
14586	4.163936	30	14636	4.165422	29	14686	4.166904	30
14587	4.163966	30	14637	4.165452	30	14687	4.166933	29
14588	4.163996	30	14638	4.165482	30	14688	4.166963	30
14589	4.164026	30	14639	4.165511	29	14689	4.166992	29
14590	4.164055	29	14640	4.165541	30	14690	4.167022	30
14591	4.164085	30	14641	4.165571	30	14691	4.167051	29
14592	4.164115	30	14642	4.165600	29	14692	4.167081	30
14593	4.164145	30	14643	4.165630	30	14693	4.167110	29
14594	4.164174	29	14644	4.165660	30	14694	4.167140	30
14595	4.164204	30	14645	4.165689	29	14695	4.167170	30
14596	4.164234	30	14646	4.165719	30	14696	4.167199	29
14597	4.164264	30	14647	4.165749	30	14697	4.167229	30
14598	4.164293	29	14648	4.165778	29	14698	4.167258	29
14599	4.164323	30	14649	4.165808	30	14699	4.167288	30
14600	4.164353	30	14650	4.165838	30	14700	4.167317	29

Nomb.	4. 5' 0" Logarith.	D.	Nomb.	4. 5' 50" Logarith.	D.	Nomb.	4. 6' 40" Logarith.	D.
14700	4.167317		14750	4.168792		14800	4.170262	
14701	4.167347	30	14751	4.168821	29	14801	4.170291	29
14702	4.167376	29	14752	4.168851	30	14802	4.170320	29
14703	4.167406	30	14753	4.168880	29	14803	4.170350	30
14704	4.167435	29	14754	4.168910	30	14804	4.170379	29
14705	4.167465	30	14755	4.168939	29	14805	4.170408	29
14706	4.167495	30	14756	4.168969	30	14806	4.170438	30
14707	4.167524	29	14757	4.168998	29	14807	4.170467	29
14708	4.167554	30	14758	4.169028	30	14808	4.170496	29
14709	4.167583	29	14759	4.169057	29	14809	4.170526	30
14710	4.167613	30	14760	4.169086	29	14810	4.170555	29
14711	4.167642	29	14761	4.169116	30	14811	4.170584	29
14712	4.167672	30	14762	4.169145	29	14812	4.170614	30
14713	4.167701	29	14763	4.169175	30	14813	4.170643	29
14714	4.167731	30	14764	4.169204	29	14814	4.170672	29
14715	4.167760	29	14765	4.169233	29	14815	4.170702	30
14716	4.167790	30	14766	4.169263	30	14816	4.170731	29
14717	4.167819	29	14767	4.169292	29	14817	4.170760	29
14718	4.167849	30	14768	4.169322	30	14818	4.170790	30
14719	4.167878	29	14769	4.169351	29	14819	4.170819	29
14720	4.167908	30	14770	4.169380	29	14820	4.170848	29
14721	4.167937	29	14771	4.169410	30	14821	4.170878	30
14722	4.167967	30	14772	4.169439	29	14822	4.170907	29
14723	4.167996	29	14773	4.169469	30	14823	4.170936	29
14724	4.168026	30	14774	4.169498	29	14824	4.170965	29
14725	4.168055	29	14775	4.169527	29	14825	4.170995	30
14726	4.168085	30	14776	4.169557	30	14826	4.171024	29
14727	4.168114	29	14777	4.169586	29	14827	4.171053	29
14728	4.168144	30	14778	4.169616	30	14828	4.171083	30
14729	4.168173	29	14779	4.169645	29	14829	4.171112	29
14730	4.168203	30	14780	4.169674	29	14830	4.171141	29
14731	4.168232	29	14781	4.169704	30	14831	4.171170	29
14732	4.168262	30	14782	4.169733	29	14832	4.171200	30
14733	4.168291	29	14783	4.169763	30	14833	4.171229	29
14734	4.168321	30	14784	4.169792	29	14834	4.171258	29
14735	4.168350	29	14785	4.169821	29	14835	4.171288	30
14736	4.168380	30	14786	4.169850	29	14836	4.171317	29
14737	4.168409	29	14787	4.169880	30	14837	4.171346	29
14738	4.168439	30	14788	4.169909	29	14838	4.171375	29
14739	4.168468	29	14789	4.169939	30	14839	4.171405	30
14740	4.168497	29	14790	4.169968	29	14840	4.171434	29
14741	4.168527	30	14791	4.169998	30	14841	4.171463	29
14742	4.168556	29	14792	4.170027	29	14842	4.171492	29
14743	4.168586	30	14793	4.170056	29	14843	4.171522	30
14744	4.168615	29	14794	4.170086	30	14844	4.171551	29
14745	4.168645	30	14795	4.170115	29	14845	4.171580	29
14746	4.168674	29	14796	4.170144	29	14846	4.171609	29
14747	4.168704	30	14797	4.170174	30	14847	4.171639	30
14748	4.168733	29	14798	4.170203	29	14848	4.171668	29
14749	4.168763	30	14799	4.170232	29	14849	4.171697	29
14750	4.168792	29	14800	4.170262	30	14850	4.171726	29

Nomb.	4. 7' 30" Logarith.	D.	Nomb.	4. 8' 20" Logarith.	D.	Nomb.	4. 9' 10" Logarith.	D.
14850	4.171726		14900	4.173186		14950	4.174641	
14851	4.171756	30	14901	4.173215	29	14951	4.174670	29
14852	4.171785	29	14902	4.173245	30	14952	4.174699	29
14853	4.171814	29	14903	4.173274	29	14953	4.174728	29
14854	4.171843	29	14904	4.173303	29	14954	4.174757	29
14855	4.171873	30	14905	4.173332	29	14955	4.174786	29
14856	4.171902	29	14906	4.173361	29	14956	4.174815	29
14857	4.171931	29	14907	4.173390	29	14957	4.174844	29
14858	4.171960	29	14908	4.173419	29	14958	4.174874	30
14859	4.171990	30	14909	4.173449	30	14959	4.174903	29
14860	4.172019	29	14910	4.173478	29	14960	4.174932	29
14861	4.172048	29	14911	4.173507	29	14961	4.174961	29
14862	4.172077	29	14912	4.173536	29	14962	4.174990	29
14863	4.172106	29	14913	4.173565	29	14963	4.175019	29
14864	4.172136	30	14914	4.173594	29	14964	4.175048	29
14865	4.172165	29	14915	4.173623	29	14965	4.175077	29
14866	4.172194	29	14916	4.173652	29	14966	4.175106	29
14867	4.172223	29	14917	4.173681	29	14967	4.175135	29
14868	4.172253	30	14918	4.173711	30	14968	4.175164	29
14869	4.172282	29	14919	4.173740	29	14969	4.175193	29
14870	4.172311	29	14920	4.173769	29	14970	4.175222	29
14871	4.172340	29	14921	4.173798	29	14971	4.175251	29
14872	4.172369	29	14922	4.173827	29	14972	4.175280	29
14873	4.172399	30	14923	4.173856	29	14973	4.175309	29
14874	4.172428	29	14924	4.173885	29	14974	4.175338	29
14875	4.172457	29	14925	4.173914	29	14975	4.175367	29
14876	4.172486	29	14926	4.173943	29	14976	4.175396	29
14877	4.172515	29	14927	4.173973	30	14977	4.175425	29
14878	4.172545	30	14928	4.174002	29	14978	4.175454	29
14879	4.172574	29	14929	4.174031	29	14979	4.175483	29
14880	4.172603	29	14930	4.174060	29	14980	4.175512	29
14881	4.172632	29	14931	4.174089	29	14981	4.175541	29
14882	4.172661	29	14932	4.174118	29	14982	4.175570	29
14883	4.172691	30	14933	4.174147	29	14983	4.175599	29
14884	4.172720	29	14934	4.174176	29	14984	4.175628	29
14885	4.172749	29	14935	4.174205	29	14985	4.175657	29
14886	4.172778	29	14936	4.174234	29	14986	4.175686	29
14887	4.172807	29	14937	4.174263	29	14987	4.175715	29
14888	4.172836	29	14938	4.174292	29	14988	4.175744	29
14889	4.172866	30	14939	4.174322	30	14989	4.175773	29
14890	4.172895	29	14940	4.174351	29	14990	4.175802	29
14891	4.172924	29	14941	4.174380	29	14991	4.175831	29
14892	4.172953	29	14942	4.174409	29	14992	4.175860	29
14893	4.172982	29	14943	4.174438	29	14993	4.175889	29
14894	4.173011	29	14944	4.174467	29	14994	4.175918	28
14895	4.173041	30	14945	4.174496	29	14995	4.175946	29
14896	4.173070	29	14946	4.174525	29	14996	4.175975	29
14897	4.173099	29	14947	4.174554	29	14997	4.176004	29
14898	4.173128	29	14948	4.174583	29	14998	4.176033	29
14899	4.173157	29	14949	4.174612	29	14999	4.176062	29
14900	4.173186	29	14950	4.174641	29	15000	4.176091	29

Nomb.	4. 10' 0" Logarith.	D.	Nomb.	4. 10' 50" Logarith.	D.	Nomb.	4. 11' 40" Logarith.	D.
15000	4.176091		15050	4.177537		15100	4.178977	
15001	4.176120	29	15051	4.177565	28	15101	4.179006	29
15002	4.176149	29	15052	4.177594	29	15102	4.179034	28
15003	4.176178	29	15053	4.177623	29	15103	4.179063	29
15004	4.176207	29	15054	4.177652	29	15104	4.179092	29
15005	4.176236	29	15055	4.177681	29	15105	4.179121	29
15006	4.176265	29	15056	4.177710	29	15106	4.179149	28
15007	4.176294	29	15057	4.177738	28	15107	4.179178	29
15008	4.176323	29	15058	4.177767	29	15108	4.179207	29
15009	4.176352	29	15059	4.177796	29	15109	4.179236	29
15010	4.176381	29	15060	4.177825	29	15110	4.179264	28
15011	4.176410	29	15061	4.177854	29	15111	4.179293	29
15012	4.176439	29	15062	4.177883	29	15112	4.179322	29
15013	4.176468	29	15063	4.177911	28	15113	4.179351	29
15014	4.176496	28	15064	4.177940	29	15114	4.179379	28
15015	4.176525	29	15065	4.177969	29	15115	4.179408	29
15016	4.176554	29	15066	4.177998	29	15116	4.179437	29
15017	4.176583	29	15067	4.178027	29	15117	4.179466	29
15018	4.176612	29	15068	4.178056	29	15118	4.179494	28
15019	4.176641	29	15069	4.178084	28	15119	4.179523	29
15020	4.176670	29	15070	4.178113	29	15120	4.179552	29
15021	4.176699	29	15071	4.178142	29	15121	4.179581	29
15022	4.176728	29	15072	4.178171	29	15122	4.179609	28
15023	4.176757	29	15073	4.178200	29	15123	4.179638	29
15024	4.176786	29	15074	4.178229	29	15124	4.179667	29
15025	4.176815	29	15075	4.178257	28	15125	4.179695	28
15026	4.176843	28	15076	4.178286	29	15126	4.179724	29
15027	4.176872	29	15077	4.178315	29	15127	4.179753	29
15028	4.176901	29	15078	4.178344	29	15128	4.179782	29
15029	4.176930	29	15079	4.178373	29	15129	4.179810	28
15030	4.176959	29	15080	4.178401	28	15130	4.179839	29
15031	4.176988	29	15081	4.178430	29	15131	4.179868	29
15032	4.177017	29	15082	4.178459	29	15132	4.179896	28
15033	4.177046	29	15083	4.178488	29	15133	4.179925	29
15034	4.177075	29	15084	4.178517	29	15134	4.179954	29
15035	4.177103	28	15085	4.178545	28	15135	4.179982	28
15036	4.177132	29	15086	4.178574	29	15136	4.180011	29
15037	4.177161	29	15087	4.178603	29	15137	4.180040	29
15038	4.177190	29	15088	4.178632	29	15138	4.180069	29
15039	4.177219	29	15089	4.178660	28	15139	4.180097	28
15040	4.177248	29	15090	4.178689	29	15140	4.180126	29
15041	4.177277	29	15091	4.178718	29	15141	4.180155	29
15042	4.177306	29	15092	4.178747	29	15142	4.180183	28
15043	4.177334	28	15093	4.178776	29	15143	4.180212	29
15044	4.177363	29	15094	4.178804	28	15144	4.180241	29
15045	4.177392	29	15095	4.178833	29	15145	4.180269	28
15046	4.177421	29	15096	4.178862	29	15146	4.180298	29
15047	4.177450	29	15097	4.178891	29	15147	4.180327	29
15048	4.177479	29	15098	4.178919	28	15148	4.180355	28
15049	4.177508	29	15099	4.178948	29	15149	4.180384	29
15050	4.177537	29	15100	4.178977	29	15150	4.180413	29

Nomb.	4. 12' 30" Logarith.	D.
15150	4.180413	
15151	4.180441	28
15152	4.180470	29
15153	4.180499	29
15154	4.180527	28
15155	4.180556	29
15156	4.180585	29
15157	4.180613	28
15158	4.180642	29
15159	4.180671	29
15160	4.180699	28
15161	4.180728	29
15162	4.180757	29
15163	4.180785	28
15164	4.180814	29
15165	4.180842	28
15166	4.180871	29
15167	4.180900	29
15168	4.180928	28
15169	4.180957	29
15170	4.180986	29
15171	4.181014	28
15172	4.181043	29
15173	4.181071	28
15174	4.181100	29
15175	4.181129	29
15176	4.181157	28
15177	4.181186	29
15178	4.181215	29
15179	4.181243	28
15180	4.181272	29
15181	4.181300	28
15182	4.181329	29
15183	4.181358	29
15184	4.181386	28
15185	4.181415	29
15186	4.181443	28
15187	4.181472	29
15188	4.181501	29
15189	4.181529	28
15190	4.181558	29
15191	4.181586	28
15192	4.181615	29
15193	4.181644	29
15194	4.181672	28
15195	4.181701	29
15196	4.181729	28
15197	4.181758	29
15198	4.181786	28
15199	4.181815	29
15200	4.181844	29

Nomb.	4. 13' 20" Logarith.	D.
15200	4.181844	
15201	4.181872	28
15202	4.181901	29
15203	4.181929	28
15204	4.181958	29
15205	4.181986	28
15206	4.182015	29
15207	4.182044	29
15208	4.182072	28
15209	4.182101	29
15210	4.182129	28
15211	4.182158	29
15212	4.182186	28
15213	4.182215	29
15214	4.182243	28
15215	4.182272	29
15216	4.182301	29
15217	4.182329	28
15218	4.182358	29
15219	4.182386	28
15220	4.182415	29
15221	4.182443	28
15222	4.182472	29
15223	4.182500	28
15224	4.182529	29
15225	4.182557	28
15226	4.182586	29
15227	4.182614	28
15228	4.182643	29
15229	4.182671	28
15230	4.182700	29
15231	4.182728	28
15232	4.182757	29
15233	4.182785	28
15234	4.182814	29
15235	4.182842	28
15236	4.182871	29
15237	4.182900	29
15238	4.182928	28
15239	4.182957	29
15240	4.182985	28
15241	4.183014	29
15242	4.183042	28
15243	4.183070	28
15244	4.183099	29
15245	4.183127	28
15246	4.183156	29
15247	4.183184	28
15248	4.183213	29
15249	4.183241	28
15250	4.183270	29

Nomb.	4. 14' 10" Logarith.	D.
15250	4.183270	
15251	4.183298	28
15252	4.183327	29
15253	4.183355	28
15254	4.183384	29
15255	4.183412	28
15256	4.183441	29
15257	4.183469	28
15258	4.183498	29
15259	4.183526	28
15260	4.183555	29
15261	4.183583	28
15262	4.183611	28
15263	4.183640	29
15264	4.183668	28
15265	4.183697	29
15266	4.183725	28
15267	4.183754	29
15268	4.183782	28
15269	4.183811	29
15270	4.183839	28
15271	4.183868	29
15272	4.183896	28
15273	4.183924	28
15274	4.183953	29
15275	4.183981	28
15276	4.184010	29
15277	4.184038	28
15278	4.184067	29
15279	4.184095	28
15280	4.184123	28
15281	4.184152	29
15282	4.184180	28
15283	4.184209	29
15284	4.184237	28
15285	4.184265	28
15286	4.184294	29
15287	4.184322	28
15288	4.184351	29
15289	4.184379	28
15290	4.184408	29
15291	4.184436	28
15292	4.184464	28
15293	4.184493	29
15294	4.184521	28
15295	4.184550	29
15296	4.184578	28
15297	4.184606	28
15298	4.184635	29
15299	4.184663	28
15300	4.184691	28

Nomb.	4. 15' 0" Logarith.	D.
15300	4.184691	
15301	4.184720	29
15302	4.184748	28
15303	4.184777	29
15304	4.184805	28
15305	4.184833	28
15306	4.184862	29
15307	4.184890	28
15308	4.184919	29
15309	4.184947	28
15310	4.184975	28
15311	4.185004	29
15312	4.185032	28
15313	4.185060	28
15314	4.185089	29
15315	4.185117	28
15316	4.185145	28
15317	4.185174	29
15318	4.185202	28
15319	4.185230	28
15320	4.185259	29
15321	4.185287	28
15322	4.185316	29
15323	4.185344	28
15324	4.185372	28
15325	4.185401	29
15326	4.185429	28
15327	4.185457	28
15328	4.185486	29
15329	4.185514	28
15330	4.185542	28
15331	4.185571	29
15332	4.185599	28
15333	4.185627	28
15334	4.185656	29
15335	4.185684	28
15336	4.185712	28
15337	4.185740	28
15338	4.185769	29
15339	4.185797	28
15340	4.185825	28
15341	4.185854	29
15342	4.185882	28
15343	4.185910	28
15344	4.185939	29
15345	4.185967	28
15346	4.185995	28
15347	4.186024	29
15348	4.186052	28
15349	4.186080	28
15350	4.186108	28

Nomb.	4. 15' 50" Logarith.	D.
15350	4.186108	
15351	4.186137	29
15352	4.186165	28
15353	4.186193	28
15354	4.186222	29
15355	4.186250	28
15356	4.186278	28
15357	4.186306	28
15358	4.186335	29
15359	4.186363	28
15360	4.186391	28
15361	4.186420	29
15362	4.186448	28
15363	4.186476	28
15364	4.186504	28
15365	4.186533	29
15366	4.186561	28
15367	4.186589	28
15368	4.186617	28
15369	4.186646	29
15370	4.186674	28
15371	4.186702	28
15372	4.186730	29
15373	4.186759	28
15374	4.186787	28
15375	4.186815	28
15376	4.186843	29
15377	4.186872	28
15378	4.186900	28
15379	4.186928	28
15380	4.186956	29
15381	4.186985	28
15382	4.187013	28
15383	4.187041	28
15384	4.187069	29
15385	4.187098	28
15386	4.187126	28
15387	4.187154	28
15388	4.187182	28
15389	4.187210	29
15390	4.187239	28
15391	4.187267	28
15392	4.187295	28
15393	4.187323	29
15394	4.187352	28
15395	4.187380	28
15396	4.187408	28
15397	4.187436	28
15398	4.187464	29
15399	4.187493	28
15400	4.187521	

Nomb.	4. 16' 40" Logarith.	D.
15400	4.187521	
15401	4.187549	28
15402	4.187577	28
15403	4.187605	28
15404	4.187634	29
15405	4.187662	28
15406	4.187690	28
15407	4.187718	28
15408	4.187746	28
15409	4.187774	28
15410	4.187803	29
15411	4.187831	28
15412	4.187859	28
15413	4.187887	28
15414	4.187915	28
15415	4.187944	29
15416	4.187972	28
15417	4.188000	28
15418	4.188028	28
15419	4.188056	28
15420	4.188084	28
15421	4.188113	29
15422	4.188141	28
15423	4.188169	28
15424	4.188197	28
15425	4.188225	28
15426	4.188253	29
15427	4.188282	28
15428	4.188310	28
15429	4.188338	28
15430	4.188366	28
15431	4.188394	28
15432	4.188422	28
15433	4.188450	29
15434	4.188479	28
15435	4.188507	28
15436	4.188535	28
15437	4.188563	28
15438	4.188591	28
15439	4.188619	28
15440	4.188647	28
15441	4.188675	29
15442	4.188704	28
15443	4.188732	28
15444	4.188760	28
15445	4.188788	28
15446	4.188816	28
15447	4.188844	28
15448	4.188872	28
15449	4.188900	29
15450	4.188929	

Nomb.	4. 17′ 30″ Logarith.	D.
15450	4.188929	
15451	4.188957	28
15452	4.188985	28
15453	4.189013	28
15454	4.189041	28
15455	4.189069	28
15456	4.189097	28
15457	4.189125	28
15458	4.189153	28
15459	4.189181	28
15460	4.189210	29
15461	4.189238	28
15462	4.189266	28
15463	4.189294	28
15464	4.189322	28
15465	4.189350	28
15466	4.189378	28
15467	4.189406	28
15468	4.189434	28
15469	4.189462	28
15470	4.189490	28
15471	4.189518	28
15472	4.189546	29
15473	4.189575	28
15474	4.189603	28
15475	4.189631	28
15476	4.189659	28
15477	4.189687	28
15478	4.189715	28
15479	4.189743	28
15480	4.189771	28
15481	4.189799	28
15482	4.189827	28
15483	4.189855	28
15484	4.189883	28
15485	4.189911	28
15486	4.189939	28
15487	4.189967	28
15488	4.189995	28
15489	4.190023	28
15490	4.190051	29
15491	4.190080	28
15492	4.190108	28
15493	4.190136	28
15494	4.190164	28
15495	4.190192	28
15496	4.190220	28
15497	4.190248	28
15498	4.190276	28
15499	4.190304	28
15500	4.190332	28

Nomb.	4. 18′ 20″ Logarith.	D.
15500	4.190332	
15501	4.190360	28
15502	4.190388	28
15503	4.190416	28
15504	4.190444	28
15505	4.190472	28
15506	4.190500	28
15507	4.190528	28
15508	4.190556	28
15509	4.190584	28
15510	4.190612	28
15511	4.190640	28
15512	4.190668	28
15513	4.190696	28
15514	4.190724	28
15515	4.190752	28
15516	4.190780	28
15517	4.190808	28
15518	4.190836	28
15519	4.190864	28
15520	4.190892	28
15521	4.190920	28
15522	4.190948	28
15523	4.190976	28
15524	4.191004	28
15525	4.191032	28
15526	4.191060	28
15527	4.191088	28
15528	4.191116	28
15529	4.191144	27
15530	4.191171	28
15531	4.191199	28
15532	4.191227	28
15533	4.191255	28
15534	4.191283	28
15535	4.191311	28
15536	4.191339	28
15537	4.191367	28
15538	4.191395	28
15539	4.191423	28
15540	4.191451	28
15541	4.191479	28
15542	4.191507	28
15543	4.191535	28
15544	4.191563	28
15545	4.191591	28
15546	4.191619	28
15547	4.191647	28
15548	4.191675	28
15549	4.191703	27
15550	4.191730	

Nomb.	4. 19′ 10″ Logarith.	D.
15550	4.191730	
15551	4.191758	28
15552	4.191786	28
15553	4.191814	28
15554	4.191842	28
15555	4.191870	28
15556	4.191898	28
15557	4.191926	28
15558	4.191954	28
15559	4.191982	28
15560	4.192010	28
15561	4.192038	27
15562	4.192065	28
15563	4.192093	28
15564	4.192121	28
15565	4.192149	28
15566	4.192177	28
15567	4.192205	28
15568	4.192233	28
15569	4.192261	28
15570	4.192289	28
15571	4.192317	27
15572	4.192344	28
15573	4.192372	28
15574	4.192400	28
15575	4.192428	28
15576	4.192456	28
15577	4.192484	28
15578	4.192512	28
15579	4.192540	27
15580	4.192567	28
15581	4.192595	28
15582	4.192623	28
15583	4.192651	28
15584	4.192679	28
15585	4.192707	28
15586	4.192735	28
15587	4.192763	27
15588	4.192790	28
15589	4.192818	28
15590	4.192846	28
15591	4.192874	28
15592	4.192902	28
15593	4.192930	28
15594	4.192958	27
15595	4.192985	28
15596	4.193013	28
15597	4.193041	28
15598	4.193069	28
15599	4.193097	28
15600	4.193125	

Nomb.	4. 20' 0" Logarith.	D.
15600	4.193125	
15601	4.193152	27
15602	4.193180	28
15603	4.193208	28
15604	4.193236	28
15605	4.193264	28
15606	4.193292	28
15607	4.193319	27
15608	4.193347	28
15609	4.193375	28
15610	4.193403	28
15611	4.193431	28
15612	4.193458	27
15613	4.193486	28
15614	4.193514	28
15615	4.193542	28
15616	4.193570	28
15617	4.193598	28
15618	4.193625	27
15619	4.193653	28
15620	4.193681	28
15621	4.193709	28
15622	4.193737	28
15623	4.193764	27
15624	4.193792	28
15625	4.193820	28
15626	4.193848	28
15627	4.193876	28
15628	4.193903	27
15629	4.193931	28
15630	4.193959	28
15631	4.193987	28
15632	4.194014	27
15633	4.194042	28
15634	4.194070	28
15635	4.194098	28
15636	4.194126	28
15637	4.194153	27
15638	4.194181	28
15639	4.194209	28
15640	4.194237	28
15641	4.194264	27
15642	4.194292	28
15643	4.194320	28
15644	4.194348	28
15645	4.194376	28
15646	4.194403	27
15647	4.194431	28
15648	4.194459	28
15649	4.194487	28
15650	4.194514	27

Nomb.	4. 20' 50" Logarith.	D.
15650	4.194514	
15651	4.194542	28
15652	4.194570	28
15653	4.194598	28
15654	4.194625	27
15655	4.194653	28
15656	4.194681	88
15657	4.194709	28
15658	4.194736	27
15659	4.194764	28
15660	4.194792	28
15661	4.194819	27
15662	4.194847	28
15663	4.194875	28
15664	4.194903	28
15665	4.194930	27
15666	4.194958	28
15667	4.194986	28
15668	4.195013	27
15669	4.195041	28
15670	4.195069	28
15671	4.195097	28
15672	4.195124	27
15673	4.195152	28
15674	4.195180	28
15675	4.195207	27
15676	4.195235	28
15677	4.195263	28
15678	4.195291	28
15679	4.195318	27
15680	4.195346	28
15681	4.195374	28
15682	4.195401	27
15683	4.195429	28
15684	4.195457	28
15685	4.195484	27
15686	4.195512	28
15687	4.195540	28
15688	4.195568	28
15689	4.195595	27
15690	4.195623	28
15691	4.195651	28
15692	4.195678	27
15693	4.195706	28
15694	4.195734	28
15695	4.195761	27
15696	4.195789	28
15697	4.195817	28
15698	4.195844	27
15699	4.195872	28
15700	4.195900	28

Nomb.	4. 21' 40" Logarith.	D.
15700	4.195900	
15701	4.195927	27
15702	4.195955	28
15703	4.195983	28
15704	4.196010	27
15705	4.196038	28
15706	4.196066	28
15707	4.196093	27
15708	4.196121	28
15709	4.196148	27
15710	4.196176	28
15711	4.196204	28
15712	4.196231	27
15713	4.196259	28
15714	4.196287	28
15715	4.196314	27
15716	4.196342	28
15717	4.196370	28
15718	4.196397	27
15719	4.196425	28
15720	4.196452	27
15721	4.196480	28
15722	4.196508	28
15723	4.196535	27
15724	4.196563	28
15725	4.196591	28
15726	4.196618	27
15727	4.196646	28
15728	4.196673	27
15729	4.196701	28
15730	4.196729	28
15731	4.196756	27
15732	4.196784	28
15733	4.196811	27
15734	4.196839	28
15735	4.196867	28
15736	4.196894	27
15737	4.196922	28
15738	4.196949	27
15739	4.196977	28
15740	4.197005	28
15741	4.197032	27
15742	4.197060	28
15743	4.197087	27
15744	4.197115	28
15745	4.197143	28
15746	4.197170	27
15747	4.197198	28
15748	4.197225	27
15749	4.197253	28
15750	4.197281	28

Numb.	4. 22′ 30″ Logarith.	D.
15750	4.197281	
15751	4.197308	27
15752	4.197336	28
15753	4.197363	27
15754	4.197391	28
15755	4.197418	27
15756	4.197446	28
15757	4.197473	27
15758	4.197501	28
15759	4.197529	28
15760	4.197556	27
15761	4.197584	28
15762	4.197611	27
15763	4.197639	28
15764	4.197666	27
15765	4.197694	28
15766	4.197722	28
15767	4.197749	27
15768	4.197777	28
15769	4.197804	27
15770	4.197832	28
15771	4.197859	27
15772	4.197887	28
15773	4.197914	27
15774	4.197942	28
15775	4.197969	27
15776	4.197997	28
15777	4.198024	27
15778	4.198052	28
15779	4.198079	27
15780	4.198107	28
15781	4.198134	27
15782	4.198162	28
15783	4.198190	28
15784	4.198217	27
15785	4.198245	28
15786	4.198272	27
15787	4.198300	28
15788	4.198327	27
15789	4.198355	28
15790	4.198382	27
15791	4.198410	28
15792	4.198437	27
15793	4.198465	28
15794	4.198492	27
15795	4.198520	28
15796	4.198547	27
15797	4.198575	28
15798	4.198602	27
15799	4.198630	28
15800	4.198657	27

Numb.	4. 23′ 20″ Logarith.	D.
15800	4.198657	
15801	4.198685	28
15802	4.198712	27
15803	4.198739	27
15804	4.198767	28
15805	4.198794	27
15806	4.198822	28
15807	4.198849	27
15808	4.198877	28
15809	4.198904	27
15810	4.198932	28
15811	4.198959	27
15812	4.198987	28
15813	4.199014	27
15814	4.199042	28
15815	4.199069	27
15816	4.199097	28
15817	4.199124	27
15818	4.199152	28
15819	4.199179	27
15820	4.199206	27
15821	4.199234	28
15822	4.199261	27
15823	4.199289	28
15824	4.199316	27
15825	4.199344	28
15826	4.199371	27
15827	4.199399	28
15828	4.199426	27
15829	4.199453	27
15830	4.199481	28
15831	4.199508	27
15832	4.199536	28
15833	4.199563	27
15834	4.199591	28
15835	4.199618	27
15836	4.199645	27
15837	4.199673	28
15838	4.199700	27
15839	4.199728	28
15840	4.199755	27
15841	4.199783	28
15842	4.199810	27
15843	4.199837	27
15844	4.199865	28
15845	4.199892	27
15846	4.199920	28
15847	4.199947	27
15848	4.199974	27
15849	4.200002	28
15850	4.200029	27

Numb.	4. 24′ 10″ Logarith.	D.
15850	4.200029	
15851	4.200057	28
15852	4.200084	27
15853	4.200111	27
15854	4.200139	28
15855	4.200166	27
15856	4.200194	28
15857	4.200221	27
15858	4.200248	27
15859	4.200276	28
15860	4.200303	27
15861	4.200331	28
15862	4.200358	27
15863	4.200385	27
15864	4.200413	28
15865	4.200440	27
15866	4.200467	27
15867	4.200495	28
15868	4.200522	27
15869	4.200550	28
15870	4.200577	27
15871	4.200604	27
15872	4.200632	28
15873	4.200659	27
15874	4.200686	27
15875	4.200714	28
15876	4.200741	27
15877	4.200768	27
15878	4.200796	28
15879	4.200823	27
15880	4.200850	27
15881	4.200878	28
15882	4.200905	27
15883	4.200932	27
15884	4.200960	28
15885	4.200987	27
15886	4.201015	28
15887	4.201042	27
15888	4.201069	27
15889	4.201097	28
15890	4.201124	27
15891	4.201151	27
15892	4.201179	28
15893	4.201206	27
15894	4.201233	27
15895	4.201260	27
15896	4.201288	28
15897	4.201315	27
15898	4.201342	27
15899	4.201370	28
15900	4.201397	27

Nomb.	4. 25' 0" Logarith.	D.
15900	4.201397	
15901	4.201424	27
15902	4.201452	28
15903	4.201479	27
15904	4.201506	27
15905	4.201534	28
15906	4.201561	27
15907	4.201588	27
15908	4.201616	28
15909	4.201643	27
15910	4.201670	27
15911	4.201697	27
15912	4.201725	28
15913	4.201752	27
15914	4.201779	27
15915	4.201807	28
15916	4.201834	27
15917	4.201861	27
15918	4.201888	27
15919	4.201916	28
15920	4.201943	27
15921	4.201970	27
15922	4.201998	28
15923	4.202025	27
15924	4.202052	27
15925	4.202079	27
15926	4.202107	28
15927	4.202134	27
15928	4.202161	27
15929	4.202188	27
15930	4.202216	28
15931	4.202243	27
15932	4.202270	27
15933	4.202298	28
15934	4.202325	27
15935	4.202352	27
15936	4.202379	27
15937	4.202407	28
15938	4.202434	27
15939	4.202461	27
15940	4.202488	27
15941	4.202516	28
15942	4.202543	27
15943	4.202570	27
15944	4.202597	27
15945	4.202624	27
15946	4.202652	28
15947	4.202679	27
15948	4.202706	27
15949	4.202733	27
15950	4.202761	28

Nomb.	4. 25' 50" Logarith.	D.
15950	4.202761	
15951	4.202788	27
15952	4.202815	27
15953	4.202842	27
15954	4.202870	28
15955	4.202897	27
15956	4.202924	27
15957	4.202951	27
15958	4.202978	27
15959	4.203006	28
15960	4.203033	27
15961	4.203060	27
15962	4.203087	27
15963	4.203114	27
15964	4.203142	28
15965	4.203169	27
15966	4.203196	27
15967	4.203223	27
15968	4.203250	27
15969	4.203278	28
15970	4.203305	27
15971	4.203332	27
15972	4.203359	27
15973	4.203386	27
15974	4.203414	28
15975	4.203441	27
15976	4.203468	27
15977	4.203495	27
15978	4.203522	27
15979	4.203550	28
15980	4.203577	27
15981	4.203604	27
15982	4.203631	27
15983	4.203658	27
15984	4.203685	27
15985	4.203713	28
15986	4.203740	27
15987	4.203767	27
15988	4.203794	27
15989	4.203821	27
15990	4.203848	27
15991	4.203876	28
15992	4.203903	27
15993	4.203930	27
15994	4.203957	27
15995	4.203984	27
15996	4.204011	27
15997	4.204038	27
15998	4.204066	28
15999	4.204093	27
16000	4.204120	27

Nomb.	4. 26' 40" Logarith.	D.
16000	4.204120	
16001	4.204147	27
16002	4.204174	27
16003	4.204201	27
16004	4.204228	27
16005	4.204256	28
16006	4.204283	27
16007	4.204310	27
16008	4.204337	27
16009	4.204364	27
16010	4.204391	27
16011	4.204418	27
16012	4.204446	28
16013	4.204473	27
16014	4.204500	27
16015	4.204527	27
16016	4.204554	27
16017	4.204581	27
16018	4.204608	27
16019	4.204635	27
16020	4.204662	27
16021	4.204690	28
16022	4.204717	27
16023	4.204744	27
16024	4.204771	27
16025	4.204798	27
16026	4.204825	27
16027	4.204852	27
16028	4.204879	27
16029	4.204906	27
16030	4.204933	27
16031	4.204961	28
16032	4.204988	27
16033	4.205015	27
16034	4.205042	27
16035	4.205069	27
16036	4.205096	27
16037	4.205123	27
16038	4.205150	27
16039	4.205177	27
16040	4.205204	27
16041	4.205231	27
16042	4.205258	27
16043	4.205286	28
16044	4.205313	27
16045	4.205340	27
16046	4.205367	27
16047	4.205394	27
16048	4.205421	27
16049	4.205448	27
16050	4.205475	27

Nomb.	4. 27' 30" Logarith.	D.	Nomb.	4. 28' 20" Logarith.	D.	Nomb.	4. 29' 10" Logarith.	D.
16050	4.205475		16100	4.206826		16150	4.208173	
16051	4.205502	27	16101	4.206853	27	16151	4.208199	26
16052	4.205529	27	16102	4.206880	27	16152	4.208226	27
16053	4.205556	27	16103	4.206907	27	16153	4.208253	27
16054	4.205583	27	16104	4.206934	27	16154	4.208280	27
16055	4.205610	27	16105	4.206961	27	16155	4.208307	27
16056	4.205637	27	16106	4.206988	27	16156	4.208334	27
16057	4.205664	27	16107	4.207015	27	16157	4.208361	27
16058	4.205691	27	16108	4.207042	27	16158	4.208388	27
16059	4.205718	27	16109	4.207069	27	16159	4.208414	26
16060	4.205746	28	16110	4.207096	27	16160	4.208441	27
16061	4.205773	27	16111	4.207122	26	16161	4.208468	27
16062	4.205800	27	16112	4.207149	27	16162	4.208495	27
16063	4.205827	27	16113	4.207176	27	16163	4.208522	27
16064	4.205854	27	16114	4.207203	27	16164	4.208549	27
16065	4.205881	27	16115	4.207230	27	16165	4.208576	27
16066	4.205908	27	16116	4.207257	27	16166	4.208603	27
16067	4.205935	27	16117	4.207284	27	16167	4.208629	26
16068	4.205962	27	16118	4.207311	27	16168	4.208656	27
16069	4.205989	27	16119	4.207338	27	16169	4.208683	27
16070	4.206016	27	16120	4.207365	27	16170	4.208710	27
16071	4.206043	27	16121	4.207392	27	16171	4.208737	27
16072	4.206070	27	16122	4.207419	27	16172	4.208764	27
16073	4.206097	27	16123	4.207446	27	16173	4.208791	27
16074	4.206124	27	16124	4.207473	27	16174	4.208817	26
16075	4.206151	27	16125	4.207500	27	16175	4.208844	27
16076	4.206178	27	16126	4.207527	27	16176	4.208871	27
16077	4.206205	27	16127	4.207554	27	16177	4.208898	27
16078	4.206232	27	16128	4.207581	27	16178	4.208925	27
16079	4.206259	27	16129	4.207607	26	16179	4.208952	27
16080	4.206286	27	16130	4.207634	27	16180	4.208979	27
16081	4.206313	27	16131	4.207661	27	16181	4.209005	26
16082	4.206340	27	16132	4.207688	27	16182	4.209032	27
16083	4.206367	27	16133	4.207715	27	16183	4.209059	27
16084	4.206394	27	16134	4.207742	27	16184	4.209086	27
16085	4.206421	27	16135	4.207769	27	16185	4.209113	27
16086	4.206448	27	16136	4.207796	27	16186	4.209140	27
16087	4.206475	27	16137	4.207823	27	16187	4.209166	26
16088	4.206502	27	16138	4.207850	27	16188	4.209193	27
16089	4.206529	27	16139	4.207877	27	16189	4.209220	27
16090	4.206556	27	16140	4.207904	27	16190	4.209247	27
16091	4.206583	27	16141	4.207930	26	16191	4.209274	27
16092	4.206610	27	16142	4.207957	27	16192	4.209300	26
16093	4.206637	27	16143	4.207984	27	16193	4.209327	27
16094	4.206664	27	16144	4.208011	27	16194	4.209354	27
16095	4.206691	27	16145	4.208038	27	16195	4.209381	27
16096	4.206718	27	16146	4.208065	27	16196	4.209408	27
16097	4.206745	27	16147	4.208092	27	16197	4.209435	27
16098	4.206772	27	16148	4.208119	27	16198	4.209461	26
16099	4.206799	27	16149	4.208146	27	16199	4.209488	27
16100	4.206826	27	16150	4.208173	27	16200	4.209515	27

Nomb.	4. 30' 0" Logarith.	D.
16200	4.209515	
16201	4.209542	27
16202	4.209569	27
16203	4.209595	26
16204	4.209622	27
16205	4.209649	27
16206	4.209676	27
16207	4.209703	27
16208	4.209729	26
16209	4.209756	27
16210	4.209783	27
16211	4.209810	27
16212	4.209837	27
16213	4.209863	26
16214	4.209890	27
16215	4.209917	27
16216	4.209944	27
16217	4.209971	27
16218	4.209997	26
16219	4.210024	27
16220	4.210051	27
16221	4.210078	27
16222	4.210104	26
16223	4.210131	27
16224	4.210158	27
16225	4.210185	27
16226	4.210211	26
16227	4.210238	27
16228	4.210265	27
16229	4.210292	27
16230	4.210319	27
16231	4.210345	26
16232	4.210372	27
16233	4.210399	27
16234	4.210426	27
16235	4.210452	26
16236	4.210479	27
16237	4.210506	27
16238	4.210533	27
16239	4.210559	26
16240	4.210586	27
16241	4.210613	27
16242	4.210640	27
16243	4.210666	26
16244	4.210693	27
16245	4.210720	27
16246	4.210746	26
16247	4.210773	27
16248	4.210800	27
16249	4.210827	27
16250	4.210853	26

Nomb.	4. 30' 50" Logarith.	D.
16250	4.210853	
16251	4.210880	27
16252	4.210907	27
16253	4.210934	27
16254	4.210960	26
16255	4.210987	27
16256	4.211014	27
16257	4.211040	26
16258	4.211067	27
16259	4.211094	27
16260	4.211121	27
16261	4.211147	26
16262	4.211174	27
16263	4.211201	27
16264	4.211227	26
16265	4.211254	27
16266	4.211281	27
16267	4.211307	26
16268	4.211334	27
16269	4.211361	27
16270	4.211388	27
16271	4.211414	26
16272	4.211441	27
16273	4.211468	27
16274	4.211494	26
16275	4.211521	27
16276	4.211548	27
16277	4.211574	26
16278	4.211601	27
16279	4.211628	27
16280	4.211654	26
16281	4.211681	27
16282	4.211708	27
16283	4.211734	26
16284	4.211761	27
16285	4.211788	27
16286	4.211814	26
16287	4.211841	27
16288	4.211868	27
16289	4.211894	26
16290	4.211921	27
16291	4.211948	27
16292	4.211974	26
16293	4.212001	27
16294	4.212028	27
16295	4.212054	26
16296	4.212081	27
16297	4.212108	27
16298	4.212134	26
16299	4.212161	27
16300	4.212188	27

Nomb.	4. 31' 40" Logarith.	D.
16300	4.212188	
16301	4.212214	26
16302	4.212241	27
16303	4.212268	27
16304	4.212294	26
16305	4.212321	27
16306	4.212347	26
16307	4.212374	27
16308	4.212401	27
16309	4.212427	26
16310	4.212454	27
16311	4.212481	27
16312	4.212507	26
16313	4.212534	27
16314	4.212560	26
16315	4.212587	27
16316	4.212614	27
16317	4.212640	26
16318	4.212667	27
16319	4.212694	27
16320	4.212720	26
16321	4.212747	27
16322	4.212773	26
16323	4.212800	27
16324	4.212827	27
16325	4.212853	26
16326	4.212880	27
16327	4.212906	26
16328	4.212933	27
16329	4.212960	27
16330	4.212986	26
16331	4.213013	27
16332	4.213039	26
16333	4.213066	27
16334	4.213093	27
16335	4.213119	26
16336	4.213146	27
16337	4.213172	26
16338	4.213199	27
16339	4.213225	26
16340	4.213252	27
16341	4.213279	27
16342	4.213305	26
16343	4.213332	27
16344	4.213358	26
16345	4.213385	27
16346	4.213411	26
16347	4.213438	27
16348	4.213465	27
16349	4.213491	26
16350	4.213518	27

Nomb.	4. 32′ 30″ Logarith.	D.
16350	4.213518	
16351	4.213544	26
16352	4.213571	27
16353	4.213597	26
16354	4.213624	27
16355	4.213650	26
16356	4.213677	27
16357	4.213704	27
16358	4.213730	26
16359	4.213757	27
16360	4.213783	26
16361	4.213810	27
16362	4.213836	26
16363	4.213863	27
16364	4.213889	26
16365	4.213916	27
16366	4.213943	27
16367	4.213969	26
16368	4.213996	27
16369	4.214022	26
16370	4.214049	27
16371	4.214075	26
16372	4.214102	27
16373	4.214128	26
16374	4.214155	27
16375	4.214181	26
16376	4.214208	27
16377	4.214234	26
16378	4.214261	27
16379	4.214287	26
16380	4.214314	27
16381	4.214340	26
16382	4.214367	27
16383	4.214393	26
16384	4.214420	27
16385	4.214446	26
16386	4.214473	27
16387	4.214499	26
16388	4.214526	27
16389	4.214552	26
16390	4.214579	27
16391	4.214605	26
16392	4.214632	27
16393	4.214658	26
16394	4.214685	27
16395	4.214711	26
16396	4.214738	27
16397	4.214764	26
16398	4.214791	27
16399	4.214817	26
16400	4.214844	27

Nomb.	4. 33′ 20″ Logarith.	D.
16400	4.214844	
16401	4.214870	26
16402	4.214897	27
16403	4.214923	26
16404	4.214950	27
16405	4.214976	26
16406	4.215003	27
16407	4.215029	26
16408	4.215056	27
16409	4.215082	26
16410	4.215109	27
16411	4.215135	26
16412	4.215162	27
16413	4.215188	26
16414	4.215214	26
16415	4.215241	27
16416	4.215267	26
16417	4.215294	27
16418	4.215320	26
16419	4.215347	27
16420	4.215373	26
16421	4.215400	27
16422	4.215426	26
16423	4.215452	26
16424	4.215479	27
16425	4.215505	26
16426	4.215532	27
16427	4.215558	26
16428	4.215585	27
16429	4.215611	26
16430	4.215638	27
16431	4.215664	26
16432	4.215690	26
16433	4.215717	27
16434	4.215743	26
16435	4.215770	27
16436	4.215796	26
16437	4.215823	27
16438	4.215849	26
16439	4.215875	26
16440	4.215902	27
16441	4.215928	26
16442	4.215955	27
16443	4.215981	26
16444	4.216007	26
16445	4.216034	27
16446	4.216060	26
16447	4.216087	27
16448	4.216113	26
16449	4.216140	27
16450	4.216166	26

Nomb.	4. 34′ 10″ Logarith.	D.
16450	4.216166	
16451	4.216192	26
16452	4.216219	27
16453	4.216245	26
16454	4.216271	26
16455	4.216298	27
16456	4.216324	26
16457	4.216351	27
16458	4.216377	26
16459	4.216403	26
16460	4.216430	27
16461	4.216456	26
16462	4.216483	27
16463	4.216509	26
16464	4.216535	26
16465	4.216562	27
16466	4.216588	26
16467	4.216614	26
16468	4.216641	27
16469	4.216667	26
16470	4.216694	27
16471	4.216720	26
16472	4.216746	26
16473	4.216773	27
16474	4.216799	26
16475	4.216825	26
16476	4.216852	27
16477	4.216878	26
16478	4.216904	26
16479	4.216931	27
16480	4.216957	26
16481	4.216984	27
16482	4.217010	26
16483	4.217036	26
16484	4.217063	27
16485	4.217089	26
16486	4.217115	26
16487	4.217142	27
16488	4.217168	26
16489	4.217194	26
16490	4.217221	27
16491	4.217247	26
16492	4.217273	26
16493	4.217300	27
16494	4.217326	26
16495	4.217352	26
16496	4.217379	27
16497	4.217405	26
16498	4.217431	26
16499	4.217458	27
16500	4.217484	26

Nomb.	4. 35' 0" Logarith.	D.	Nomb.	4. 35' 50" Logarith.	D.	Nomb.	4. 36' 40" Logarith.	D.
16500	4.217484		16550	4.218798		16600	4.220108	
16501	4.217510	26	16551	4.218824	26	16601	4.220134	26
16502	4.217537	27	16552	4.218850	26	16602	4.220160	26
16503	4.217563	26	16553	4.218877	27	16603	4.220187	27
16504	4.217589	26	16554	4.218903	26	16604	4.220213	26
16505	4.217616	27	16555	4.218929	26	16605	4.220239	26
16506	4.217642	26	16556	4.218955	26	16606	4.220265	26
16507	4.217668	26	16557	4.218982	27	16607	4.220291	26
16508	4.217694	26	16558	4.219008	26	16608	4.220317	26
16509	4.217721	27	16559	4.219034	26	16609	4.220343	26
16510	4.217747	26	16560	4.219060	26	16610	4.220370	27
16511	4.217773	26	16561	4.219087	27	16611	4.220396	26
16512	4.217800	27	16562	4.219113	26	16612	4.220422	26
16513	4.217826	26	16563	4.219139	26	16613	4.220448	26
16514	4.217852	26	16564	4.219165	26	16614	4.220474	26
16515	4.217879	27	16565	4.219191	26	16615	4.220500	26
16516	4.217905	26	16566	4.219218	27	16616	4.220526	26
16517	4.217931	26	16567	4.219244	26	16617	4.220553	27
16518	4.217957	26	16568	4.219270	26	16618	4.220579	26
16519	4.217984	27	16569	4.219296	26	16619	4.220605	26
16520	4.218010	26	16570	4.219323	27	16620	4.220631	26
16521	4.218036	26	16571	4.219349	26	16621	4.220657	26
16522	4.218063	27	16572	4.219375	26	16622	4.220683	26
16523	4.218089	26	16573	4.219401	26	16623	4.220709	26
16524	4.218115	26	16574	4.219427	26	16624	4.220736	27
16525	4.218141	26	16575	4.219454	27	16625	4.220762	26
16526	4.218168	27	16576	4.219480	26	16626	4.220788	26
16527	4.218194	26	16577	4.219506	26	16627	4.220814	26
16528	4.218220	26	16578	4.219532	26	16628	4.220840	26
16529	4.218247	27	16579	4.219558	26	16629	4.220866	26
16530	4.218273	26	16580	4.219585	27	16630	4.220892	26
16531	4.218299	26	16581	4.219611	26	16631	4.220918	26
16532	4.218325	26	16582	4.219637	26	16632	4.220944	26
16533	4.218352	27	16583	4.219663	26	16633	4.220971	27
16534	4.218378	26	16584	4.219689	26	16634	4.220997	26
16535	4.218404	26	16585	4.219715	26	16635	4.221023	26
16536	4.218430	26	16586	4.219742	27	16636	4.221049	26
16537	4.218457	27	16587	4.219768	26	16637	4.221075	26
16538	4.218483	26	16588	4.219794	26	16638	4.221101	26
16539	4.218509	26	16589	4.219820	26	16639	4.221127	26
16540	4.218536	27	16590	4.219846	26	16640	4.221153	26
16541	4.218562	26	16591	4.219873	27	16641	4.221179	26
16542	4.218588	26	16592	4.219899	26	16642	4.221206	27
16543	4.218614	26	16593	4.219925	26	16643	4.221232	26
16544	4.218641	27	16594	4.219951	26	16644	4.221258	26
16545	4.218667	26	16595	4.219977	26	16645	4.221284	26
16546	4.218693	26	16596	4.220003	26	16646	4.221310	26
16547	4.218719	26	16597	4.220030	27	16647	4.221336	26
16548	4.218746	27	16598	4.220056	26	16648	4.221362	26
16549	4.218772	26	16599	4.220082	26	16649	4.221388	26
16550	4.218798	26	16600	4.220108	26	16650	4.221414	26

Nomb.	4. 37. 30" Logarith.	D.
16650	4.221414	
16651	4.221440	26
16652	4.221466	26
16653	4.221492	26
16654	4.221519	27
16655	4.221545	26
16656	4.221571	26
16657	4.221597	26
16658	4.221623	26
16659	4.221649	26
16660	4.221675	26
16661	4.221701	26
16662	4.221727	26
16663	4.221753	26
16664	4.221779	26
16665	4.221805	26
16666	4.221831	26
16667	4.221857	26
16668	4.221883	26
16669	4.221910	27
16670	4.221936	26
16671	4.221962	26
16672	4.221988	26
16673	4.222014	26
16674	4.222040	26
16675	4.222066	26
16676	4.222092	26
16677	4.222118	26
16678	4.222144	26
16679	4.222170	26
16680	4.222196	26
16681	4.222222	26
16682	4.222248	26
16683	4.222274	26
16684	4.222300	26
16685	4.222326	26
16686	4.222352	26
16687	4.222378	26
16688	4.222404	26
16689	4.222430	26
16690	4.222456	26
16691	4.222482	26
16692	4.222508	26
16693	4.222534	26
16694	4.222560	26
16695	4.222586	26
16696	4.222612	26
16697	4.222638	26
16698	4.222664	26
16699	4.222690	26
16700	4.222716	

Nomb.	4. 38' 20" Logarith.	D.
16700	4.222716	
16701	4.222742	26
16702	4.222768	26
16703	4.222794	26
16704	4.222820	26
16705	4.222846	26
16706	4.222872	26
16707	4.222898	26
16708	4.222924	26
16709	4.222950	26
16710	4.222976	26
16711	4.223002	26
16712	4.223028	26
16713	4.223054	26
16714	4.223080	26
16715	4.223106	26
16716	4.223132	26
16717	4.223158	26
16718	4.223184	26
16719	4.223210	26
16720	4.223236	26
16721	4.223262	26
16722	4.223288	26
16723	4.223314	26
16724	4.223340	26
16725	4.223366	26
16726	4.223392	26
16727	4.223418	26
16728	4.223444	26
16729	4.223470	26
16730	4.223496	26
16731	4.223522	26
16732	4.223548	26
16733	4.223574	26
16734	4.223600	26
16735	4.223626	26
16736	4.223652	26
16737	4.223678	26
16738	4.223704	26
16739	4.223730	25
16740	4.223755	26
16741	4.223781	26
16742	4.223807	26
16743	4.223833	26
16744	4.223859	26
16745	4.223885	26
16746	4.223911	26
16747	4.223937	26
16748	4.223963	26
16749	4.223989	26
16750	4.224015	

Nomb.	4. 39' 10" Logarith.	D.
16750	4.224015	
16751	4.224041	26
16752	4.224067	26
16753	4.224093	26
16754	4.224119	26
16755	4.224144	25
16756	4.224170	26
16757	4.224196	26
16758	4.224222	26
16759	4.224248	26
16760	4.224274	26
16761	4.224300	26
16762	4.224326	26
16763	4.224352	26
16764	4.224378	26
16765	4.224404	26
16766	4.224429	25
16767	4.224455	26
16768	4.224481	26
16769	4.224507	26
16770	4.224533	26
16771	4.224559	26
16772	4.224585	26
16773	4.224611	26
16774	4.224637	26
16775	4.224663	25
16776	4.224688	26
16777	4.224714	26
16778	4.224740	26
16779	4.224766	26
16780	4.224792	26
16781	4.224818	26
16782	4.224844	26
16783	4.224870	25
16784	4.224895	26
16785	4.224921	26
16786	4.224947	26
16787	4.224973	26
16788	4.224999	26
16789	4.225025	26
16790	4.225051	26
16791	4.225077	25
16792	4.225102	26
16793	4.225128	26
16794	4.225154	26
16795	4.225180	26
16796	4.225206	26
16797	4.225232	26
16798	4.225258	25
16799	4.225283	26
16800	4.225309	

Nomb.	4. 40' 0" Logarith.	D.
16800	4.225309	
16801	4.225335	26
16802	4.225361	26
16803	4.225387	26
16804	4.225413	26
16805	4.225439	26
16806	4.225464	25
16807	4.225490	26
16808	4.225516	26
16809	4.225542	26
16810	4.225568	26
16811	4.225594	26
16812	4.225619	25
16813	4.225645	26
16814	4.225671	26
16815	4.225697	26
16816	4.225723	26
16817	4.225749	26
16818	4.225774	25
16819	4.225800	26
16820	4.225826	26
16821	4.225852	26
16822	4.225878	26
16823	4.225903	25
16824	4.225929	26
16825	4.225955	26
16826	4.225981	26
16827	4.226007	26
16828	4.226033	26
16829	4.226058	25
16830	4.226084	26
16831	4.226110	26
16832	4.226136	26
16833	4.226162	26
16834	4.226187	25
16835	4.226213	26
16836	4.226239	26
16837	4.226265	26
16838	4.226291	26
16839	4.226316	25
16840	4.226342	26
16841	4.226368	26
16842	4.226394	26
16843	4.226419	25
16844	4.226445	26
16845	4.226471	26
16846	4.226497	26
16847	4.226523	26
16848	4.226548	25
16849	4.226574	26
16850	4.226600	26

Nomb.	4. 40' 50" Logarith.	D.
16850	4.226600	
16851	4.226626	26
16852	4.226651	25
16853	4.226677	26
16854	4.226703	26
16855	4.226729	26
16856	4.226755	26
16857	4.226780	25
16858	4.226806	26
16859	4.226832	26
16860	4.226858	26
16861	4.226883	25
16862	4.226909	26
16863	4.226935	26
16864	4.226961	26
16865	4.226986	25
16866	4.227012	26
16867	4.227038	26
16868	4.227064	26
16869	4.227089	25
16870	4.227115	26
16871	4.227141	26
16872	4.227167	26
16873	4.227192	25
16874	4.227218	26
16875	4.227244	26
16876	4.227270	26
16877	4.227295	25
16878	4.227321	26
16879	4.227347	26
16880	4.227372	25
16881	4.227398	26
16882	4.227424	26
16883	4.227450	26
16884	4.227475	25
16885	4.227501	26
16886	4.227527	26
16887	4.227553	26
16888	4.227578	25
16889	4.227604	26
16890	4.227630	26
16891	4.227655	25
16892	4.227681	26
16893	4.227707	26
16894	4.227732	25
16895	4.227758	26
16896	4.227784	26
16897	4.227810	26
16898	4.227835	25
16899	4.227861	26
16900	4.227887	26

Nomb.	4. 41' 40" Logarith.	D.
16900	4.227887	
16901	4.227912	25
16902	4.227938	26
16903	4.227964	26
16904	4.227989	25
16905	4.228015	26
16906	4.228041	26
16907	4.228067	26
16908	4.228092	25
16909	4.228118	26
16910	4.228144	26
16911	4.228169	25
16912	4.228195	26
16913	4.228221	26
16914	4.228246	25
16915	4.228272	26
16916	4.228298	26
16917	4.228323	25
16918	4.228349	26
16919	4.228375	26
16920	4.228400	25
16921	4.228426	26
16922	4.228452	26
16923	4.228477	25
16924	4.228503	26
16925	4.228529	26
16926	4.228554	25
16927	4.228580	26
16928	4.228606	26
16929	4.228631	25
16930	4.228657	26
16931	4.228683	26
16932	4.228708	25
16933	4.228734	26
16934	4.228760	26
16935	4.228785	25
16936	4.228811	26
16937	4.228836	25
16938	4.228862	26
16939	4.228888	26
16940	4.228913	25
16941	4.228939	26
16942	4.228965	26
16943	4.228990	25
16944	4.229016	26
16945	4.229042	26
16946	4.229067	25
16947	4.229093	26
16948	4.229118	25
16949	4.229144	26
16950	4.229170	26

Nomb.	4. 42′ 30″ Logarith.	D.	Nomb.	4. 43′ 20″ Logarith.	D.	Nomb.	4. 44′ 10″ Logarith.	D.
16950	4.229170	25	17000	4.230449	25	17050	4.231724	26
16951	4.229195	26	17001	4.230474	26	17051	4.231750	25
16952	4.229221	26	17002	4.230500	26	17052	4.231775	26
16953	4.229247	25	17003	4.230526	25	17053	4.231801	25
16954	4.229272	26	17004	4.230551	26	17054	4.231826	26
16955	4.229298	25	17005	4.230577	25	17055	4.231852	25
16956	4.229323	26	17006	4.230602	26	17056	4.231877	26
16957	4.229349	26	17007	4.230628	25	17057	4.231903	25
16958	4.229375	25	17008	4.230653	26	17058	4.231928	26
16959	4.229400	26	17009	4.230679	25	17059	4.231954	25
16960	4.229426	25	17010	4.230704	26	17060	4.231979	25
16961	4.229451	26	17011	4.230730	25	17061	4.232004	26
16962	4.229477	26	17012	4.230755	26	17062	4.232030	25
16963	4.229503	25	17013	4.230781	25	17063	4.232055	26
16964	4.229528	26	17014	4.230806	26	17064	4.232081	25
16965	4.229554	25	17015	4.230832	25	17065	4.232106	26
16966	4.229579	26	17016	4.230857	26	17066	4.232132	25
16967	4.229605	26	17017	4.230883	26	17067	4.232157	26
16968	4.229631	25	17018	4.230909	25	17068	4.232183	25
16969	4.229656	26	17019	4.230934	26	17069	4.232208	26
16970	4.229682	25	17020	4.230960	25	17070	4.232234	25
16971	4.229707	26	17021	4.230985	26	17071	4.232259	25
16972	4.229733	26	17022	4.231011	25	17072	4.232284	26
16973	4.229759	25	17023	4.331036	26	17073	4.232310	25
16974	4.229784	26	17024	4.231062	25	17074	4.232335	26
16975	4.229810	25	17025	4.231087	26	17075	4.232361	25
16976	4.229835	26	17026	4.231113	25	17076	4.232386	26
16977	4.229861	26	17027	4.231138	26	17077	4.232412	25
16978	4.229887	25	17028	4.231164	25	17078	4.232437	25
16979	4.229912	26	17029	4.231189	26	17079	4.232462	26
16980	4.229938	25	17030	4.231215	25	17080	4.232488	25
16981	4.229963	26	17031	4.231240	26	17081	4.232513	26
16982	4.229989	25	17032	4.231266	25	17082	4.232539	25
16983	4.230014	26	17033	4.231291	26	17083	4.232564	26
16984	4.230040	26	17034	4.231317	25	17084	4.232590	25
16985	4.230066	25	17035	4.231342	26	17085	4.232615	25
16986	4.230091	26	17036	4.231368	25	17086	4.232640	26
16987	4.230117	25	17037	4.231393	26	17087	4.232666	25
16988	4.230142	26	17038	4.231419	25	17088	4.232691	26
16989	4.230168	25	17039	4.231444	26	17089	4.232717	25
16990	4.230193	26	17040	4.231470	25	17090	4.232742	25
16991	4.230219	25	17041	4.231495	26	17091	4.232767	26
16992	4.230244	26	17042	4.231521	25	17092	4.232793	25
16993	4.230270	26	17043	4.231546	26	17093	4.232818	26
16994	4.230296	25	17044	4.231572	25	17094	4.232844	25
16995	4.230321	26	17045	4.231597	25	17095	4.232869	26
16996	4.230347	25	17046	4.231622	26	17096	4.232895	25
16997	4.230372	26	17047	4.231648	25	17097	4.232920	25
16998	4.230398	25	17048	4.231673	26	17098	4.232945	26
16999	4.230423	26	17049	4.231699	25	17099	4.232971	25
17000	4.230449		17050	4.231724		17100	4.232996	

Nomb.	4. 45' 0" Logarith.	D.	Nomb.	4. 45' 50" Logarith.	D.	Nomb.	4. 46' 40" Logarith.	D.
17100	4.232996	26	17150	4.234264	25	17200	4.235528	26
17101	4.233022	25	17151	4.234289	26	17201	4.235554	25
17102	4.233047	25	17152	4.234315	25	17202	4.235579	25
17103	4.233072	26	17153	4.234340	25	17203	4.235604	25
17104	4.233098	25	17154	4.234365	26	17204	4.235629	26
17105	4.233123	25	17155	4.234391	25	17205	4.235655	25
17106	4.233148	26	17156	4.234416	25	17206	4.235680	25
17107	4.233174	25	17157	4.234441	26	17207	4.235705	25
17108	4.233199	26	17158	4.234467	25	17208	4.235730	26
17109	4.233225	25	17159	4.234492	25	17209	4.235756	25
17110	4.233250	25	17160	4.234517	26	17210	4.235781	25
17111	4.233275	26	17161	4.234543	25	17211	4.235806	25
17112	4.233301	25	17162	4.234568	25	17212	4.235831	26
17113	4.233326	26	17163	4.234593	26	17213	4.235857	25
17114	4.233352	25	17164	4.234619	25	17214	4.235882	25
17115	4.233377	25	17165	4.234644	25	17215	4.235907	25
17116	4.233402	26	17166	4.234669	25	17216	4.235932	25
17117	4.233428	25	17167	4.234694	26	17217	4.235957	26
17118	4.233453	25	17168	4.234720	25	17218	4.235983	25
17119	4.233478	26	17169	4.234745	25	17219	4.236008	25
17120	4.233504	25	17170	4.234770	26	17220	4.236033	25
17121	4.233529	25	17171	4.234796	25	17221	4.236058	26
17122	4.233554	26	17172	4.234821	25	17222	4.236084	25
17123	4.233580	25	17173	4.234846	25	17223	4.236109	25
17124	4.233605	26	17174	4.234871	26	17224	4.236134	25
17125	4.233631	25	17175	4.234897	25	17225	4.236159	25
17126	4.233656	25	17176	4.234922	25	17226	4.236184	26
17127	4.233681	26	17177	4.234947	26	17227	4.236210	25
17128	4.233707	25	17178	4.234973	25	17228	4.236235	25
17129	4.233732	25	17179	4.234998	25	17229	4.236260	25
17130	4.233757	26	17180	4.235023	25	17230	4.236285	25
17131	4.233783	25	17181	4.235048	26	17231	4.236310	26
17132	4.233808	25	17182	4.235074	25	17232	4.236336	25
17133	4.233833	26	17183	4.235099	25	17233	4.236361	25
17134	4.233859	25	17184	4.235124	26	17234	4.236386	25
17135	4.233884	25	17185	4.235150	25	17235	4.236411	25
17136	4.233909	26	17186	4.235175	25	17236	4.236436	26
17137	4.233935	25	17187	4.235200	25	17237	4.236462	25
17138	4.233960	25	17188	4.235225	26	17238	4.236487	25
17139	4.233985	26	17189	4.235251	25	17239	4.236512	25
17140	4.234011	25	17190	4.235276	25	17240	4.236537	25
17141	4.234036	25	17191	4.235301	25	17241	4.236562	26
17142	4.234061	26	17192	4.235326	26	17242	4.236588	25
17143	4.234087	25	17193	4.235352	25	17243	4.236613	25
17144	4.234112	25	17194	4.235377	25	17244	4.236638	25
17145	4.234137	26	17195	4.235402	25	17245	4.236663	25
17146	4.234163	25	17196	4.235427	26	17246	4.236688	26
17147	4.234188	25	17197	4.235453	25	17247	4.236714	25
17148	4.234213	26	17198	4.235478	25	17248	4.236739	25
17149	4.234239	25	17199	4.235503	25	17249	4.236764	25
17150	4.234264		17200	4.235528		17250	4.236789	

Nomb.	4 47' 30" Logarith.	D.	Nomb.	4 48' 20" Logarith.	D.	Nomb.	4 49' 10" Logarith.	D.
17250	4.236789		17300	4.238046		17350	4.239299	
17251	4.236814	25	17301	4.238071	25	17351	4.239324	25
17252	4.236839	25	17302	4.238096	25	17352	4.239349	25
17253	4.236865	26	17303	4.238121	25	17353	4.239375	26
17254	4.236890	25	17304	4.238147	26	17354	4.239400	25
17255	4.236915	25	17305	4.238172	25	17355	4.239425	25
17256	4.236940	25	17306	4.238197	25	17356	4.239450	25
17257	4.236965	25	17307	4.238222	25	17357	4.239475	25
17258	4.236990	25	17308	4.238247	25	17358	4.239500	25
17259	4.237016	26	17309	4.238272	25	17359	4.239525	25
17260	4.237041	25	17310	4.238297	25	17360	4.239550	25
17261	4.237066	25	17311	4.238322	25	17361	4.239575	25
17262	4.237091	25	17312	4.238347	25	17362	4.239600	25
17263	4.237116	25	17313	4.238372	25	17363	4.239625	25
17264	4.237141	25	17314	4.238397	25	17364	4.239650	25
17265	4.237167	26	17315	4.238422	25	17365	4.239676	25
17266	4.237192	25	17316	4.238448	26	17366	4.239700	25
17267	4.237217	25	17317	4.238473	25	17367	4.239725	25
17268	4.237242	25	17318	4.238498	25	17368	4.239750	25
17269	4.237267	25	17319	4.238523	25	17369	4.239775	25
17270	4.237292	25	17320	4.238548	25	17370	4.239800	25
17271	4.237317	25	17321	4.238573	25	17371	4.239825	25
17272	4.237343	26	17322	4.238598	25	17372	4.239850	25
17273	4.237368	25	17323	4.238623	25	17373	4.239876	25
17274	4.237393	25	17324	4.238648	25	17374	4.239900	25
17275	4.237418	25	17325	4.238673	25	17375	4.239926	25
17276	4.237443	25	17326	4.238698	25	17376	4.239950	25
17277	4.237468	25	17327	4.238723	25	17377	4.239975	25
17278	4.237493	25	17328	4.238748	25	17378	4.240000	25
17279	4.237519	26	17329	4.238773	25	17379	4.240025	25
17280	4.237544	25	17330	4.238799	26	17380	4.240050	25
17281	4.237569	25	17331	4.238824	25	17381	4.240075	25
17282	4.237594	25	17332	4.238849	25	17382	4.240100	25
17283	4.237619	25	17333	4.238874	25	17383	4.240125	25
17284	4.237644	25	17334	4.238899	25	17384	4.240150	25
17285	4.237669	25	17335	4.238924	25	17385	4.240175	25
17286	4.237694	26	17336	4.238949	25	17386	4.240200	25
17287	4.237720	25	17337	4.238974	25	17387	4.240225	25
17288	4.237745	25	17338	4.238999	25	17388	4.240250	25
17289	4.237770	25	17339	4.239024	25	17389	4.240275	25
17290	4.237795	25	17340	4.239049	25	17390	4.240300	25
17291	4.237820	25	17341	4.239074	25	17391	4.240325	25
17292	4.237845	25	17342	4.239099	25	17392	4.240350	24
17293	4.237870	25	17343	4.239124	25	17393	4.240374	25
17294	4.237895	26	17344	4.239149	25	17394	4.240399	25
17295	4.237921	25	17345	4.239174	25	17395	4.240424	25
17296	4.237946	25	17346	4.239199	25	17396	4.240449	25
17297	4.237971	25	17347	4.239224	25	17397	4.240474	25
17298	4.237996	25	17348	4.239249	25	17398	4.240499	25
17299	4.238021	25	17349	4.239274	25	17399	4.240524	25
17300	4.238046		17350	4.239299		17400	4.240549	

Nomb.	4. 50' 0" Logarith.	D.
17400	4.240549	25
17401	4.240574	25
17402	4.240599	25
17403	4.240624	25
17404	4.240649	25
17405	4.240674	25
17406	4.240699	25
17407	4.240724	25
17408	4.240749	25
17409	4.240774	25
17410	4.240799	25
17411	4.240824	25
17412	4.240849	25
17413	4.240874	24
17414	4.240898	25
17415	4.240923	25
17416	4.240948	25
17417	4.240973	25
17418	4.240998	25
17419	4.241023	25
17420	4.241048	25
17421	4.241073	25
17422	4.241098	25
17423	4.241123	25
17424	4.241148	25
17425	4.241173	25
17426	4.241198	25
17427	4.241223	25
17428	4.241248	24
17429	4.241272	25
17430	4.241297	25
17431	4.241322	25
17432	4.241347	25
17433	4.241372	25
17434	4.241397	25
17435	4.241422	25
17436	4.241447	25
17437	4.241472	25
17438	4.241497	25
17439	4.241522	24
17440	4.241546	25
17441	4.241571	25
17442	4.241596	25
17443	4.241621	25
17444	4.241646	25
17445	4.241671	25
17446	4.241696	25
17447	4.241721	25
17448	4.241746	25
17449	4.241771	24
17450	4.241795	25

Nomb.	4. 50' 50" Logarith.	D.
17450	4.241795	25
17451	4.241820	25
17452	4.241845	25
17453	4.241870	25
17454	4.241895	25
17455	4.241920	25
17456	4.241945	25
17457	4.241970	24
17458	4.241994	25
17459	4.242019	25
17460	4.242044	25
17461	4.242069	25
17462	4.242094	25
17463	4.242119	25
17464	4.242144	25
17465	4.242169	24
17466	4.242193	25
17467	4.242218	25
17468	4.242243	25
17469	4.242268	25
17470	4.242293	25
17471	4.242318	25
17472	4.242343	24
17473	4.242367	25
17474	4.242392	25
17475	4.242417	25
17476	4.242442	25
17477	4.242467	25
17478	4.242492	25
17479	4.242517	24
17480	4.242541	25
17481	4.242566	25
17482	4.242591	25
17483	4.242616	25
17484	4.242641	25
17485	4.242666	24
17486	4.242690	25
17487	4.242715	25
17488	4.242740	25
17489	4.242765	25
17490	4.242790	25
17491	4.242815	24
17492	4.242839	25
17493	4.242864	25
17494	4.242889	25
17495	4.242914	25
17496	4.242939	25
17497	4.242964	24
17498	4.242988	25
17499	4.243013	25
17500	4.243038	

Nomb.	4. 51' 40" Logarith.	D.
17500	4.243038	25
17501	4.243063	25
17502	4.243088	24
17503	4.243112	25
17504	4.243137	25
17505	4.243162	25
17506	4.243187	25
17507	4.243212	25
17508	4.243237	25
17509	4.243262	24
17510	4.243286	25
17511	4.243311	25
17512	4.243336	24
17513	4.243360	25
17514	4.243385	25
17515	4.243410	25
17516	4.243435	25
17517	4.243460	24
17518	4.243484	25
17519	4.243509	25
17520	4.243534	25
17521	4.243559	25
17522	4.243584	24
17523	4.243608	25
17524	4.243633	25
17525	4.243658	25
17526	4.243683	25
17527	4.243708	24
17528	4.243732	25
17529	4.243757	25
17530	4.243782	25
17531	4.243807	24
17532	4.243831	25
17533	4.243856	25
17534	4.243881	25
17535	4.243906	25
17536	4.243931	24
17537	4.243955	25
17538	4.243980	25
17539	4.244005	25
17540	4.244030	24
17541	4.244054	25
17542	4.244079	25
17543	4.244104	25
17544	4.244129	24
17545	4.244153	25
17546	4.244178	25
17547	4.244203	25
17548	4.244228	24
17549	4.244252	25
17550	4.244277	

Nomb.	4. 52′ 30″ Logarith.	D.
17550	4.244277	25
17551	4.244302	25
17552	4.244327	24
17553	4.244351	25
17554	4.244376	25
17555	4.244401	25
17556	4.244426	24
17557	4.244450	25
17558	4.244475	25
17559	4.244500	24
17560	4.244524	25
17561	4.244549	25
17562	4.244574	25
17563	4.244599	24
17564	4.244623	25
17565	4.244648	25
17566	4.244673	25
17567	4.244698	24
17568	4.244722	25
17569	4.244747	25
17570	4.244772	24
17571	4.244796	25
17572	4.244821	25
17573	4.244846	25
17574	4.244871	24
17575	4.244895	25
17576	4.244920	25
17577	4.244945	24
17578	4.244969	25
17579	4.244994	25
17580	4.245019	25
17581	4.245044	24
17582	4.245068	25
17583	4.245093	25
17584	4.245118	24
17585	4.245142	25
17586	4.245167	25
17587	4.245192	24
17588	4.245216	25
17589	4.245241	25
17590	4.245266	24
17591	4.245290	25
17592	4.245315	25
17593	4.245340	25
17594	4.245365	24
17595	4.245389	25
17596	4.245414	25
17597	4.245439	24
17598	4.245463	25
17599	4.245488	25
17600	4.245513	

Nomb.	4. 53′ 20″ Logarith.	D.
17600	4.245513	24
17601	4.245537	25
17602	4.245562	25
17603	4.245587	24
17604	4.245611	25
17605	4.245636	25
17606	4.245661	24
17607	4.245685	25
17608	4.245710	25
17609	4.245735	24
17610	4.245759	25
17611	4.245784	25
17612	4.245809	24
17613	4.245833	25
17614	4.245858	25
17615	4.245883	24
17616	4.245907	25
17617	4.245932	25
17618	4.245957	24
17619	4.245981	25
17620	4.246006	25
17621	4.246031	24
17622	4.246055	25
17623	4.246080	24
17624	4.246104	25
17625	4.246129	25
17626	4.246154	24
17627	4.246178	25
17628	4.246203	25
17629	4.246228	24
17630	4.246252	25
17631	4.246277	25
17632	4.246302	24
17633	4.246326	25
17634	4.246351	24
17635	4.246375	25
17636	4.246400	25
17637	4.246425	24
17638	4.246449	25
17639	4.246474	25
17640	4.246499	24
17641	4.246523	25
17642	4.246548	24
17643	4.246572	25
17644	4.246597	25
17645	4.246622	24
17646	4.246646	25
17647	4.246671	24
17648	4.246695	25
17649	4.246720	25
17650	4.246745	

Nomb.	4. 54′ 10″ Logarith.	D.
17650	4.246745	24
17651	4.246769	25
17652	4.246794	24
17653	4.246818	25
17654	4.246843	25
17655	4.246868	24
17656	4.246892	25
17657	4.246917	24
17658	4.246941	25
17659	4.246966	25
17660	4.246991	24
17661	4.247015	25
17662	4.247040	24
17663	4.247064	25
17664	4.247089	25
17665	4.247114	24
17666	4.247138	25
17667	4.247163	24
17668	4.247187	25
17669	4.247212	24
17670	4.247236	25
17671	4.247261	25
17672	4.247286	24
17673	4.247310	25
17674	4.247335	24
17675	4.247359	25
17676	4.247384	25
17677	4.247409	24
17678	4.247433	25
17679	4.247458	24
17680	4.247482	25
17681	4.247507	24
17682	4.247531	25
17683	4.247556	24
17684	4.247580	25
17685	4.247605	25
17686	4.247630	24
17687	4.247654	25
17688	4.247679	24
17689	4.247703	25
17690	4.247728	24
17691	4.247752	25
17692	4.247777	24
17693	4.247801	25
17694	4.247826	25
17695	4.247851	24
17696	4.247875	25
17697	4.247900	24
17698	4.247924	25
17699	4.247949	24
17700	4.247973	

Numb.	4. 55′ 0″ Logarith.	D.	Numb.	4. 55′ 50″ Logarith.	D.	Numb.	4. 56′ 40″ Logarith.	D.
17700	4.247973		17750	4.249198		17800	4.250420	
17701	4.247998	25	17751	4.249223	25	17801	4.250444	24
17702	4.248022	24	17752	4.249247	24	17802	4.250469	25
17703	4.248047	25	17753	4.249272	25	17803	4.250493	24
17704	4.248071	24	17754	4.249296	24	17804	4.250518	25
17705	4.248096	25	17755	4.249321	25	17805	4.250542	24
17706	4.248120	24	17756	4.249345	24	17806	4.250566	24
17707	4.248145	25	17757	4.249370	25	17807	4.25059[illegible]	
17708	4.248169	24	17758	4.249394	24	17808	4.25061[illegible]	
17709	4.248194	25	17759	4.249418	24	17809	4.250639	
17710	4.248219	25	17760	4.249443	25	17810	4.250664	25
17711	4.248243	24	17761	4.249467	24	17811	4.250688	24
17712	4.248268	25	17762	4.249492	25	17812	4.250713	25
17713	4.248292	24	17763	4.249516	24	17813	4.250737	24
17714	4.248317	25	17764	4.249541	25	17814	4.250761	24
17715	4.248341	24	17765	4.249565	24	17815	4.250786	25
17716	4.248366	25	17766	4.249590	25	17816	4.250810	24
17717	4.248390	24	17767	4.249614	24	17817	4.250835	25
17718	4.248415	25	17768	4.249638	24	17818	4.250859	24
17719	4.248439	24	17769	4.249663	25	17819	4.250883	24
17720	4.248464	25	17770	4.249687	24	17820	4.250908	25
17721	4.248488	24	17771	4.249712	25	17821	4.250932	24
17722	4.248513	25	17772	4.249736	24	17822	4.250956	24
17723	4.248537	24	17773	4.249761	25	17823	4.250981	25
17724	4.248562	25	17774	4.249785	24	17824	4.251005	24
17725	4.248586	24	17775	4.249810	25	17825	4.251029	24
17726	4.248611	25	17776	4.249834	24	17826	4.251054	25
17727	4.248635	24	17777	4.249858	24	17827	4.251078	24
17728	4.248660	25	17778	4.249883	25	17828	4.251103	25
17729	4.248684	24	17779	4.249907	24	17829	4.251127	24
17730	4.248709	25	17780	4.249932	25	17830	4.251151	24
17731	4.248733	24	17781	4.249956	24	17831	4.251176	25
17732	4.248758	25	17782	4.249981	25	17832	4.251200	24
17733	4.248782	24	17783	4.250005	24	17833	4.251224	24
17734	4.248807	25	17784	4.250029	24	17834	4.251249	25
17735	4.248831	24	17785	4.250054	25	17835	4.251273	24
17736	4.248856	25	17786	4.250078	24	17836	4.251297	24
17737	4.248880	24	17787	4.250103	25	17837	4.251322	25
17738	4.248905	25	17788	4.250127	24	17838	4.251346	24
17739	4.248929	24	17789	4.250151	24	17839	4.251370	24
17740	4.248954	25	17790	4.250176	25	17840	4.251395	25
17741	4.248978	24	17791	4.250200	24	17841	4.251419	24
17742	4.249003	25	17792	4.250225	25	17842	4.251443	24
17743	4.249027	24	17793	4.250249	24	17843	4.251468	25
17744	4.249051	24	17794	4.250274	25	17844	4.251492	24
17745	4.249076	25	17795	4.250298	24	17845	4.251517	25
17746	4.249100	24	17796	4.250322	24	17846	4.251541	24
17747	4.249125	25	17797	4.250347	25	17847	4.251565	24
17748	4.249149	24	17798	4.250371	24	17848	4.251590	25
17749	4.249174	25	17799	4.250396	25	17849	4.251614	24
17750	4.249198	24	17800	4.250420	24	17850	4.251638	24

Nomb.	4. 57′ 30″ Logarith.	D.	Nomb.	4. 58′ 20″ Logarith.	D.	Nomb.	4. 59′ 10′ Logarith.	D.
17850	4.251638		17900	4.252853		17950	4.254064	
17851	4.251663	25	17901	4.252877	24	17951	4.254089	25
17852	4.251687	24	17902	4.252902	25	17952	4.254113	24
17853	4.251711	24	17903	4.252926	24	17953	4.254137	24
17854	4.251735	24	17904	4.252950	24	17954	4.254161	24
17855	4.251760	25	17905	4.252974	24	17955	4.254185	24
17856	4.251784	24	17906	4.252999	25	17956	4.254210	25
17857	4.251808	24	17907	4.253023	24	17957	4.254234	24
17858	4.251833	25	17908	4.253047	24	17958	4.254258	24
17859	4.251857	24	17909	4.253071	24	17959	4.254282	24
17860	4.251881	24	17910	4.253096	25	17960	4.254306	24
17861	4.251906	25	17911	4.253120	24	17961	4.254330	24
17862	4.251930	24	17912	4.253144	24	17962	4.254355	25
17863	4.251954	24	17913	4.253168	24	17963	4.254379	24
17864	4.251979	25	17914	4.253193	25	17964	4.254403	24
17865	4.252003	24	17915	4.253217	24	17965	4.254427	24
17866	4.252027	24	17916	4.253241	24	17966	4.254451	24
17867	4.252052	25	17917	4.253265	24	17967	4.254476	25
17868	4.252076	24	17918	4.253289	24	17968	4.254500	24
17869	4.252100	24	17919	4.253314	25	17969	4.254524	24
17870	4.252125	25	17920	4.253338	24	17970	4.254548	24
17871	4.252149	24	17921	4.253362	24	17971	4.254572	24
17872	4.252173	24	17922	4.253386	24	17972	4.254596	24
17873	4.252197	24	17923	4.253411	25	17973	4.254621	25
17874	4.252222	25	17924	4.253435	24	17974	4.254645	24
17875	4.252246	24	17925	4.253459	24	17975	4.254669	24
17876	4.252270	24	17926	4.253483	24	17976	4.254693	24
17877	4.252295	25	17927	4.253508	25	17977	4.254717	24
17878	4.252319	24	17928	4.253532	24	17978	4.254741	24
17879	4.252343	24	17929	4.253556	24	17979	4.254765	24
17880	4.252367	24	17930	4.253580	24	17980	4.254790	25
17881	4.252392	25	17931	4.253604	24	17981	4.254814	24
17882	4.252416	24	17932	4.253629	25	17982	4.254838	24
17883	4.252440	24	17933	4.253653	24	17983	4.254862	24
17884	4.252465	25	17934	4.253677	24	17984	4.254886	24
17885	4.252489	24	17935	4.253701	24	17985	4.254910	24
17886	4.252513	24	17936	4.253726	25	17986	4.254935	25
17887	4.252537	24	17937	4.253750	24	17987	4.254959	24
17888	4.252562	25	17938	4.253774	24	17988	4.254983	24
17889	4.252586	24	17939	4.253798	24	17989	4.255007	24
17890	4.252610	24	17940	4.253822	24	17990	4.255031	24
17891	4.252635	25	17941	4.253847	25	17991	4.255055	24
17892	4.252659	24	17942	4.253871	24	17992	4.255079	24
17893	4.252683	24	17943	4.253895	24	17993	4.255104	25
17894	4.252707	24	17944	4.253919	24	17994	4.255128	24
17895	4.252732	25	17945	4.253943	24	17995	4.255152	24
17896	4.252756	24	17946	4.253968	25	17996	4.255176	24
17897	4.252780	24	17947	4.253992	24	17997	4.255200	24
17898	4.252804	24	17948	4.254016	24	17998	4.255224	24
17899	4.252829	25	17949	4.254040	24	17999	4.255248	24
17900	4.252853	24	17950	4.254064	24	18000	4.255272	24

Nomb.	5. 0′ 0″ Logarith.	D.	Nomb.	5. 0′ 50″ Logarith.	D.	Nomb.	5. 1′ 40″ Logarith.	D.
18000	4.255273		18050	4.256477		18100	4.257679	
18001	4.255297	24	18051	4.256501	24	18101	4.257703	24
18002	4.255321	24	18052	4.256525	24	18102	4.257727	24
18003	4.255345	24	18053	4.256549	24	18103	4.257751	24
18004	4.255369	24	18054	4.256573	24	18104	4.257775	24
18005	4.255393	24	18055	4.256597	24	18105	4.257799	24
18006	4.255417	24	18056	4.256621	24	18106	4.257822	23
18007	4.255441	24	18057	4.256646	25	18107	4.257846	24
18008	4.255465	24	18058	4.256670	24	18108	4.257870	24
18009	4.255490	25	18059	4.256694	24	18109	4.257894	24
18010	4.255514	24	18060	4.256718	24	18110	4.257918	24
18011	4.255538	24	18061	4.256742	24	18111	4.257942	24
18012	4.255562	24	18062	4.256766	24	18112	4.257966	24
18013	4.255586	24	18063	4.256790	24	18113	4.257990	24
18014	4.255610	24	18064	4.256814	24	18114	4.258014	24
18015	4.255634	24	18065	4.256838	24	18115	4.258038	24
18016	4.255658	24	18066	4.256862	24	18116	4.258062	24
18017	4.255682	24	18067	4.256886	24	18117	4.258086	24
18018	4.255707	25	18068	4.256910	24	18118	4.258110	24
18019	4.255731	24	18069	4.256934	24	18119	4.258134	24
18020	4.255755	24	18070	4.256958	24	18120	4.258158	24
18021	4.255779	24	18071	4.256982	24	18121	4.258182	24
18022	4.255803	24	18072	4.257006	24	18122	4.258206	24
18023	4.255827	24	18073	4.257030	24	18123	4.258230	24
18024	4.255851	24	18074	4.257054	24	18124	4.258254	24
18025	4.255875	24	18075	4.257078	24	18125	4.258278	24
18026	4.255899	24	18076	4.257102	24	18126	4.258302	24
18027	4.255923	24	18077	4.257126	24	18127	4.258326	24
18028	4.255947	25	18078	4.257150	24	18128	4.258350	24
18029	4.255972	24	18079	4.257174	24	18129	4.258374	24
18030	4.255996	24	18080	4.257198	24	18130	4.258398	24
18031	4.256020	24	18081	4.257222	24	18131	4.258422	24
18032	4.256044	24	18082	4.257246	24	18132	4.258446	24
18033	4.256068	24	18083	4.257270	24	18133	4.258470	24
18034	4.256092	24	18084	4.257294	24	18134	4.258494	24
18035	4.256116	24	18085	4.257318	24	18135	4.258518	24
18036	4.256140	24	18086	4.257342	24	18136	4.258542	24
18037	4.256164	24	18087	4.257366	24	18137	4.258565	23
18038	4.256188	24	18088	4.257390	25	18138	4.258589	24
18039	4.256212	24	18089	4.257415	24	18139	4.258613	24
18040	4.256236	25	18090	4.257439	24	18140	4.258637	24
18041	4.256261	24	18091	4.257463	24	18141	4.258661	24
18042	4.256285	24	18092	4.257487	24	18142	4.258685	24
18043	4.256309	24	18093	4.257511	24	18143	4.258709	24
18044	4.256333	24	18094	4.257535	24	18144	4.258733	24
18045	4.256357	24	18095	4.257559	24	18145	4.258757	24
18046	4.256381	24	18096	4.257583	24	18146	4.258781	24
18047	4.256405	24	18097	4.257607	24	18147	4.258805	24
18048	4.256429	24	18098	4.257631	24	18148	4.258829	24
18049	4.256453	24	18099	4.257655	24	18149	4.258853	24
18050	4.256477	24	18100	4.257679	24	18150	4.258877	

Nomb.	5. 2′ 30″ Logarith.	D.
18150	4.258877	
18151	4.258901	24
18152	4.258924	23
18153	4.258948	24
18154	4.258972	24
18155	4.258996	24
18156	4.259020	24
18157	4.259044	24
18158	4.259068	24
18159	4.259092	24
18160	4.259116	24
18161	4.259140	24
18162	4.259164	24
18163	4.259188	24
18164	4.259211	23
18165	4.259235	24
18166	4.259259	24
18167	4.259283	24
18168	4.259307	24
18169	4.259331	24
18170	4.259355	24
18171	4.259379	24
18172	4.259403	24
18173	4.259427	24
18174	4.259451	24
18175	4.259474	23
18176	4.259498	24
18177	4.259522	24
18178	4.259546	24
18179	4.259570	24
18180	4.259594	24
18181	4.259618	24
18182	4.259642	24
18183	4.259665	23
18184	4.259689	24
18185	4.259713	24
18186	4.259737	24
18187	4.259761	24
18188	4.259785	24
18189	4.259809	24
18190	4.259833	24
18191	4.259857	24
18192	4.259880	23
18193	4.259904	24
18194	4.259928	24
18195	4.259952	24
18196	4.259976	24
18197	4.260000	24
18198	4.260024	24
18199	4.260047	23
18200	4.260071	24

Nomb.	5. 3′ 20″ Logarith.	D.
18200	4.260071	
18201	4.260095	24
18202	4.260119	24
18203	4.260143	24
18204	4.260167	24
18205	4.260191	24
18206	4.260215	24
18207	4.260238	23
18208	4.260262	24
18209	4.260286	24
18210	4.260310	24
18211	4.260334	24
18212	4.260358	24
18213	4.260381	23
18214	4.260405	24
18215	4.260429	24
18216	4.260453	24
18217	4.260477	24
18218	4.260501	24
18219	4.260525	24
18220	4.260548	23
18221	4.260572	24
18222	4.260596	24
18223	4.260620	24
18224	4.260644	24
18225	4.260667	23
18226	4.260691	24
18227	4.260715	24
18228	4.260739	24
18229	4.260763	24
18230	4.260787	24
18231	4.260810	23
18232	4.260834	24
18233	4.260858	24
18234	4.260882	24
18235	4.260906	24
18236	4.260930	24
18237	4.260953	23
18238	4.260977	24
18239	4.261001	24
18240	4.261025	24
18241	4.261049	24
18242	4.261072	23
18243	4.261096	24
18244	4.261120	24
18245	4.261144	24
18246	4.261168	24
18247	4.261191	23
18248	4.261215	24
18249	4.261239	24
18250	4.261263	24

Nomb.	5. 4′ 10″ Logarith.	D.
18250	4.261263	
18251	4.261287	24
18252	4.261310	23
18253	4.261334	24
18254	4.261358	24
18255	4.261382	24
18256	4.261406	24
18257	4.261429	23
18258	4.261453	24
18259	4.261477	24
18260	4.261501	24
18261	4.261525	24
18262	4.261548	23
18263	4.261572	24
18264	4.261596	24
18265	4.261620	24
18266	4.261643	23
18267	4.261667	24
18268	4.261691	24
18269	4.261715	24
18270	4.261738	23
18271	4.261762	24
18272	4.261786	24
18273	4.261810	24
18274	4.261834	24
18275	4.261857	23
18276	4.261881	24
18277	4.261905	24
18278	4.261929	24
18279	4.261952	23
18280	4.261976	24
18281	4.262000	24
18282	4.262024	24
18283	4.262047	23
18284	4.262071	24
18285	4.262095	24
18286	4.262119	24
18287	4.262142	23
18288	4.262166	24
18289	4.262190	24
18290	4.262214	24
18291	4.262237	23
18292	4.262261	24
18293	4.262285	24
18294	4.262309	24
18295	4.262332	23
18296	4.262356	24
18297	4.262380	24
18298	4.262404	24
18299	4.262427	23
18300	4.262451	24

Nomb.	5. 5′ 0″ Logarith.	D.
18300	4.262451	
18301	4.262475	24
18302	4.262499	24
18303	4.262522	23
18304	4.262546	24
18305	4.262570	24
18306	4.262593	23
18307	4.262617	24
18308	4.262641	24
18309	4.262665	24
18310	4.262688	23
18311	4.262712	24
18312	4.262736	24
18313	4.262759	23
18314	4.262783	24
18315	4.262807	24
18316	4.262831	24
18317	4.262854	23
18318	4.262878	24
18319	4.262902	24
18320	4.262925	23
18321	4.262949	24
18322	4.262973	24
18323	4.262997	24
18324	4.263020	23
18325	4.263044	24
18326	4.263068	24
18327	4.263091	23
18328	4.263115	24
18329	4.263139	24
18330	4.263162	23
18331	4.263186	24
18332	4.263210	24
18333	4.263234	24
18334	4.263257	23
18335	4.263281	24
18336	4.263305	24
18337	4.263328	23
18338	4.263352	24
18339	4.263376	24
18340	4.263399	23
18341	4.263423	24
18342	4.263447	24
18343	4.263470	23
18344	4.263494	24
18345	4.263518	24
18346	4.263541	23
18347	4.263565	24
18348	4.263589	24
18349	4.263612	23
18350	4.263636	24

Nomb.	5. 5′ 50″ Logarith.	D.
18350	4.263636	
18351	4.263660	24
18352	4.263683	23
18353	4.263707	24
18354	4.263731	24
18355	4.263754	23
18356	4.263778	23
18357	4.263802	24
18358	4.263825	23
18359	4.263849	24
18360	4.263873	24
18361	4.263896	23
18362	4.263920	24
18363	4.263944	24
18364	4.263967	23
18365	4.263991	24
18366	4.264015	24
18367	4.264038	23
18368	4.264062	24
18369	4.264086	24
18370	4.264109	23
18371	4.264133	24
18372	4.264156	23
18373	4.264180	24
18374	4.264204	24
18375	4.264227	23
18376	4.264251	24
18377	4.264275	24
18378	4.264298	23
18379	4.264322	24
18380	4.264345	23
18381	4.264369	24
18382	4.264393	24
18383	4.264416	23
18384	4.264440	24
18385	4.264464	24
18386	4.264487	23
18387	4.264511	24
18388	4.264534	23
18389	4.264558	24
18390	4.264582	24
18391	4.264605	23
18392	4.264629	24
18393	4.264653	24
18394	4.264676	23
18395	4.264700	24
18396	4.264723	23
18397	4.264747	24
18398	4.264771	24
18399	4.264794	23
18400	4.264818	24

Nomb.	5. 6′ 40″ Logarith.	D.
18400	4.264818	
18401	4.264841	23
18402	4.264865	24
18403	4.264889	24
18404	4.264912	23
18405	4.264936	24
18406	4.264959	23
18407	4.264983	24
18408	4.265007	24
18409	4.265030	23
18410	4.265054	24
18411	4.265077	23
18412	4.265101	24
18413	4.265125	24
18414	4.265148	23
18415	4.265172	24
18416	4.265195	23
18417	4.265219	24
18418	4.265242	23
18419	4.265266	24
18420	4.265290	24
18421	4.265313	23
18422	4.265337	24
18423	4.265360	23
18424	4.265384	24
18425	4.265407	23
18426	4.265431	24
18427	4.265455	24
18428	4.265478	23
18429	4.265502	24
18430	4.265525	23
18431	4.265549	24
18432	4.265572	23
18433	4.265596	24
18434	4.265620	24
18435	4.265643	23
18436	4.265667	24
18437	4.265690	23
18438	4.265714	24
18439	4.265737	23
18440	4.265761	24
18441	4.265784	23
18442	4.265808	24
18443	4.265832	24
18444	4.265855	23
18445	4.265879	24
18446	4.265902	23
18447	4.265926	24
18448	4.265949	23
18449	4.265973	24
18450	4.265996	23

Nomb.	5. 7′ 30″ Logarith.	D.
18450	4.265996	
18451	4.266020	24
18452	4.266043	23
18453	4.266067	24
18454	4.266090	23
18455	4.266114	24
18456	4.266138	24
18457	4.266161	23
18458	4.266185	24
18459	4.266208	23
18460	4.266232	24
18461	4.266255	23
18462	4.266279	24
18463	4.266302	23
18464	4.266326	24
18465	4.266349	23
18466	4.266373	24
18467	4.266396	23
18468	4.266420	24
18469	4.266443	23
18470	4.266467	24
18471	4.266490	23
18472	4.266514	24
18473	4.266537	23
18474	4.266561	24
18475	4.266584	23
18476	4.266608	24
18477	4.266631	23
18478	4.266655	24
18479	4.266678	23
18480	4.266702	24
18481	4.266725	23
18482	4.266749	24
18483	4.266772	23
18484	4.266796	24
18485	4.266819	23
18486	4.266843	24
18487	4.266866	23
18488	4.266890	24
18489	4.266913	23
18490	4.266937	24
18491	4.266960	23
18492	4.266984	24
18493	4.267007	23
18494	4.267031	24
18495	4.267054	23
18496	4.267078	24
18497	4.267101	23
18498	4.267125	24
18499	4.267148	23
18500	4.267172	24

Nomb.	5. 8′ 10″ Logarith.	D.
18500	4.267172	
18501	4.267195	23
18502	4.267219	24
18503	4.267242	23
18504	4.267266	24
18505	4.267289	23
18506	4.267313	24
18507	4.267336	23
18508	4.267359	23
18509	4.267383	24
18510	4.267406	23
18511	4.267430	24
18512	4.267453	23
18513	4.267477	24
18514	4.267500	23
18515	4.267524	24
18516	4.267547	23
18517	4.267571	24
18518	4.267594	23
18519	4.267617	23
18520	4.267641	24
18521	4.267664	23
18522	4.267688	24
18523	4.267711	23
18524	4.267735	24
18525	4.267758	23
18526	4.267782	24
18527	4.267805	23
18528	4.267828	23
18529	4.267852	24
18530	4.267875	23
18531	4.267899	24
18532	4.267922	23
18533	4.267946	24
18534	4.267969	23
18535	4.267993	24
18536	4.268016	23
18537	4.268039	23
18538	4.268063	24
18539	4.268086	23
18540	4.268110	24
18541	4.268133	23
18542	4.268157	24
18543	4.268180	23
18544	4.268203	23
18545	4.268227	24
18546	4.268250	23
18547	4.268274	24
18548	4.268297	23
18549	4.268320	23
18550	4.268344	24

Nomb.	5. 9′ 10″ Logarith.	D.
18550	4.268344	
18551	4.268367	23
18552	4.268391	24
18553	4.268414	23
18554	4.268438	24
18555	4.268461	23
18556	4.268484	23
18557	4.268508	24
18558	4.268531	23
18559	4.268555	24
18560	4.268578	23
18561	4.268601	23
18562	4.268625	24
18563	4.268648	23
18564	4.268672	24
18565	4.268695	23
18566	4.268718	23
18567	4.268742	24
18568	4.268765	23
18569	4.268788	23
18570	4.268812	24
18571	4.268835	23
18572	4.268859	24
18573	4.268882	23
18574	4.268905	23
18575	4.268929	24
18576	4.268952	23
18577	4.268976	24
18578	4.268999	23
18579	4.269022	23
18580	4.269046	24
18581	4.269069	23
18582	4.269092	23
18583	4.269116	24
18584	4.269139	23
18585	4.269163	24
18586	4.269186	23
18587	4.269209	23
18588	4.269233	24
18589	4.269256	23
18590	4.269279	24
18591	4.269303	23
18592	4.269326	23
18593	4.269349	23
18594	4.269373	24
18595	4.269396	23
18596	4.269420	24
18597	4.269443	23
18598	4.269466	23
18599	4.269490	24
18600	4.269513	23

Nomb.	5. 10′ 0″ Logarith.	D.	Nomb.	5. 10′ 50″ Logarith.	D.	Nomb.	5. 11′ 40″ Logarith.	D.
18600	4.269513		18650	4.270679		18700	4.271842	
18601	4.269536	23	18651	4.270702	23	18701	4.271865	23
18602	4.269560	24	18652	4.270725	23	18702	4.271888	23
18603	4.269583	23	18653	4.270749	24	18703	4.271911	23
18604	4.269606	23	18654	4.270772	23	18704	4.271934	23
18605	4.269630	24	18655	4.270795	23	18705	4.271958	24
18606	4.269653	23	18656	4.270819	24	18706	4.271981	23
18607	4.269676	23	18657	4.270842	23	18707	4.272004	23
18608	4.269700	24	18658	4.270865	23	18708	4.272027	23
18609	4.269723	23	18659	4.270888	23	18709	4.272051	24
18610	4.269746	23	18660	4.270912	24	18710	4.272074	23
18611	4.269770	24	18661	4.270935	23	18711	4.272097	23
18612	4.269793	23	18662	4.270958	23	18712	4.272120	23
18613	4.269816	23	18663	4.270981	23	18713	4.272143	23
18614	4.269840	24	18664	4.271005	24	18714	4.272167	24
18615	4.269863	23	18665	4.271028	23	18715	4.272190	23
18616	4.269886	23	18666	4.271051	23	18716	4.272213	23
18617	4.269910	24	18667	4.271074	23	18717	4.272236	23
18618	4.269933	23	18668	4.271098	24	18718	4.272259	23
18619	4.269956	23	18669	4.271121	23	18719	4.272283	24
18620	4.269980	24	18670	4.271144	23	18720	4.272306	23
18621	4.270003	23	18671	4.271168	24	18721	4.272329	23
18622	4.270026	23	18672	4.271191	23	18722	4.272352	23
18623	4.270050	24	18673	4.271214	23	18723	4.272375	23
18624	4.270073	23	18674	4.271237	23	18724	4.272399	24
18625	4.270096	23	18675	4.271261	24	18725	4.272422	23
18626	4.270120	24	18676	4.271284	23	18726	4.272445	23
18627	4.270143	23	18677	4.271307	23	18727	4.272468	23
18628	4.270166	23	18678	4.271330	23	18728	4.272491	23
18629	4.270190	24	18679	4.271354	24	18729	4.272515	24
18630	4.270213	23	18680	4.271377	23	18730	4.272538	23
18631	4.270236	23	18681	4.271400	23	18731	4.272561	23
18632	4.270259	23	18682	4.271423	23	18732	4.272584	23
18633	4.270283	24	18683	4.271447	24	18733	4.272607	23
18634	4.270306	23	18684	4.271470	23	18734	4.272631	24
18635	4.270329	23	18685	4.271493	23	18735	4.272654	23
18636	4.270353	24	18686	4.271516	23	18736	4.272677	23
18637	4.270376	23	18687	4.271540	24	18737	4.272700	23
18638	4.270399	23	18688	4.271563	23	18738	4.272723	23
18639	4.270423	24	18689	4.271586	23	18739	4.272746	24
18640	4.270446	23	18690	4.271609	23	18740	4.272770	23
18641	4.270469	23	18691	4.271633	24	18741	4.272793	23
18642	4.270493	24	18692	4.271656	23	18742	4.272816	23
18643	4.270516	23	18693	4.271679	23	18743	4.272839	23
18644	4.270539	23	18694	4.271702	23	18744	4.272862	23
18645	4.270562	24	18695	4.271725	24	18745	4.272885	24
18646	4.270586	23	18696	4.271749	23	18746	4.272909	23
18647	4.270609	23	18697	4.271772	23	18747	4.272932	23
18648	4.270632	23	18698	4.271795	23	18748	4.272955	23
18649	4.270655	24	18699	4.271818	24	18749	4.272978	23
18650	4.270679		18700	4.271842		18750	4.273001	

Nomb.	5. 12′ 30″ Logarith.	D.
18750	4.273001	
18751	4.273024	23
18752	4.273048	24
18753	4.273071	23
18754	4.273094	23
18755	4.273117	23
18756	4.273140	23
18757	4.273163	23
18758	4.273187	24
18759	4.273210	23
18760	4.273233	23
18761	4.273256	23
18762	4.273279	23
18763	4.273302	23
18764	4.273325	23
18765	4.273349	24
18766	4.273372	23
18767	4.273395	23
18768	4.273418	23
18769	4.273441	23
18770	4.273464	23
18771	4.273487	23
18772	4.273511	24
18773	4.273534	23
18774	4.273557	23
18775	4.273580	23
18776	4.273603	23
18777	4.273626	23
18778	4.273649	23
18779	4.273672	23
18780	4.273696	24
18781	4.273719	23
18782	4.273742	23
18783	4.273765	23
18784	4.273788	23
18785	4.273811	23
18786	4.273834	23
18787	4.273857	24
18788	4.273881	23
18789	4.273904	23
18790	4.273927	23
18791	4.273950	23
18792	4.273973	23
18793	4.273996	23
18794	4.274019	23
18795	4.274042	23
18796	4.274065	24
18797	4.274089	23
18798	4.274112	23
18799	4.274135	23
18800	4.274158	

Nomb.	5. 13′ 20″ Logarith.	D.
18800	4.274158	
18801	4.274181	23
18802	4.274204	23
18803	4.274227	23
18804	4.274250	23
18805	4.274273	23
18806	4.274296	23
18807	4.274320	24
18808	4.274343	23
18809	4.274366	23
18810	4.274389	23
18811	4.274412	23
18812	4.274435	23
18813	4.274458	23
18814	4.274481	23
18815	4.274504	23
18816	4.274527	23
18817	4.274550	23
18818	4.274573	23
18819	4.274597	24
18820	4.274620	23
18821	4.274643	23
18822	4.274666	23
18823	4.274689	23
18824	4.274712	23
18825	4.274735	23
18826	4.274758	23
18827	4.274781	23
18828	4.274804	23
18829	4.274827	23
18830	4.274850	23
18831	4.274873	23
18832	4.274896	24
18833	4.274920	23
18834	4.274943	23
18835	4.274966	23
18836	4.274989	23
18837	4.275012	23
18838	4.275035	23
18839	4.275058	23
18840	4.275081	23
18841	4.275104	23
18842	4.275127	23
18843	4.275150	23
18844	4.275173	23
18845	4.275196	23
18846	4.275219	23
18847	4.275242	23
18848	4.275265	23
18849	4.275288	23
18850	4.275311	

Nomb.	5. 14′ 10″ Logarith.	D.
18850	4.275311	
18851	4.275334	23
18852	4.275357	23
18853	4.275380	23
18854	4.275404	24
18855	4.275427	23
18856	4.275450	23
18857	4.275473	23
18858	4.275496	23
18859	4.275519	23
18860	4.275542	23
18861	4.275565	23
18862	4.275588	23
18863	4.275611	23
18864	4.275634	23
18865	4.275657	23
18866	4.275680	23
18867	4.275703	23
18868	4.275726	23
18869	4.275749	23
18870	4.275772	23
18871	4.275795	23
18872	4.275818	23
18873	4.275841	23
18874	4.275864	23
18875	4.275887	23
18876	4.275910	23
18877	4.275933	23
18878	4.275956	23
18879	4.275979	23
18880	4.276002	23
18881	4.276025	23
18882	4.276048	23
18883	4.276071	23
18884	4.276094	23
18885	4.276117	23
18886	4.276140	23
18887	4.276163	23
18888	4.276186	23
18889	4.276209	23
18890	4.276232	23
18891	4.276255	23
18892	4.276278	23
18893	4.276301	23
18894	4.276324	23
18895	4.276347	23
18896	4.276370	23
18897	4.276393	23
18898	4.276416	23
18899	4.276439	23
18900	4.276462	

Nomb.	5. 15' 0" Logarith.	D.
18900	4.276462	
18901	4.276485	23
18902	4.276508	23
18903	4.276531	23
18904	4.276554	23
18905	4.276577	23
18906	4.276600	23
18907	4.276623	23
18908	4.276646	23
18909	4.276669	23
18910	4.276692	23
18911	4.276714	22
18912	4.276737	23
18913	4.276760	23
18914	4.276783	23
18915	4.276806	23
18916	4.276829	23
18917	4.276852	23
18918	4.276875	23
18919	4.276898	23
18920	4.276921	23
18921	4.276944	23
18922	4.276967	23
18923	4.276990	23
18924	4.277013	23
18925	4.277036	23
18926	4.277059	23
18927	4.277082	23
18928	4.277105	23
18929	4.277128	23
18930	4.277151	23
18931	4.277174	23
18932	4.277196	22
18933	4.277219	23
18934	4.277242	23
18935	4.277265	23
18936	4.277288	23
18937	4.277311	23
18938	4.277334	23
18939	4.277357	23
18940	4.277380	23
18941	4.277403	23
18942	4.277426	23
18943	4.277449	23
18944	4.277472	23
18945	4.277495	23
18946	4.277518	22
18947	4.277540	23
18948	4.277563	23
18949	4.277586	23
18950	4.277609	

Nomb.	5. 15' 50" Logarith.	D.
18950	4.277609	
18951	4.277632	23
18952	4.277655	23
18953	4.277678	23
18954	4.277701	23
18955	4.277724	23
18956	4.277747	23
18957	4.277770	23
18958	4.277793	23
18959	4.277815	22
18960	4.277838	23
18961	4.277861	23
18962	4.277884	23
18963	4.277907	23
18964	4.277930	23
18965	4.277953	23
18966	4.277976	23
18967	4.277999	23
18968	4.278022	23
18969	4.278044	22
18970	4.278067	23
18971	4.278090	23
18972	4.278113	23
18973	4.278136	23
18974	4.278159	23
18975	4.278182	23
18976	4.278205	23
18977	4.278228	23
18978	4.278250	22
18979	4.278273	23
18980	4.278296	23
18981	4.278319	23
18982	4.278342	23
18983	4.278365	23
18984	4.278388	23
18985	4.278411	22
18986	4.278433	23
18987	4.278456	23
18988	4.278479	23
18989	4.278502	23
18990	4.278525	23
18991	4.278548	23
18992	4.278571	23
18993	4.278594	22
18994	4.278616	23
18995	4.278639	23
18996	4.278662	23
18997	4.278685	23
18998	4.278708	23
18999	4.278731	23
19000	4.278754	

Nomb.	5. 16' 40" Logarith.	D.
19000	4.278754	
19001	4.278776	22
19002	4.278799	23
19003	4.278822	23
19004	4.278845	23
19005	4.278868	23
19006	4.278891	23
19007	4.278914	23
19008	4.278936	22
19009	4.278959	23
19010	4.278982	23
19011	4.279005	23
19012	4.279028	23
19013	4.279051	23
19014	4.279073	22
19015	4.279096	23
19016	4.279119	23
19017	4.279142	23
19018	4.279165	23
19019	4.279188	23
19020	4.279211	23
19021	4.279233	22
19022	4.279256	23
19023	4.279279	23
19024	4.279302	23
19025	4.279325	23
19026	4.279347	22
19027	4.279370	23
19028	4.279393	23
19029	4.279416	23
19030	4.279439	23
19031	4.279462	23
19032	4.279484	22
19033	4.279507	23
19034	4.279530	23
19035	4.279553	23
19036	4.279576	23
19037	4.279599	23
19038	4.279621	22
19039	4.279644	23
19040	4.279667	23
19041	4.279690	23
19042	4.279713	23
19043	4.279735	22
19044	4.279758	23
19045	4.279781	23
19046	4.279804	23
19047	4.279827	23
19048	4.279849	22
19049	4.279872	23
19050	4.279895	23

Nomb.	5. 17′ 30″ Logarith.	D.
19050	4.279895	
19051	4.279918	23
19052	4.279941	23
19053	4.279963	22
19054	4.279986	23
19055	4.280009	23
19056	4.280032	23
19057	4.280055	23
19058	4.280077	22
19059	4.280100	23
19060	4.280123	23
19061	4.280146	23
19062	4.280168	22
19063	4.280191	23
19064	4.280214	23
19065	4.280237	23
19066	4.280260	23
19067	4.280282	22
19068	4.280305	23
19069	4.280328	23
19070	4.280351	23
19071	4.280373	22
19072	4.280396	23
19073	4.280419	23
19074	4.280442	23
19075	4.280465	23
19076	4.280487	22
19077	4.280510	23
19078	4.280533	23
19079	4.280556	23
19080	4.280578	22
19081	4.280601	23
19082	4.280624	23
19083	4.280647	23
19084	4.280669	22
19085	4.280692	23
19086	4.280715	23
19087	4.280738	23
19088	4.280760	22
19089	4.280783	23
19090	4.280806	23
19091	4.280829	23
19092	4.280851	22
19093	4.280874	23
19094	4.280897	23
19095	4.280920	23
19096	4.280942	22
19097	4.280965	23
19098	4.280988	23
19099	4.281011	23
19100	4.281033	22

Nomb.	5. 18′ 20″ Logarith.	D.
19100	4.281033	
19101	4.281056	23
19102	4.281079	23
19103	4.281102	23
19104	4.281124	22
19105	4.281147	23
19106	4.281170	23
19107	4.281192	22
19108	4.281215	23
19109	4.281238	23
19110	4.281261	23
19111	4.281283	22
19112	4.281306	23
19113	4.281329	23
19114	4.281352	23
19115	4.281374	22
19116	4.281397	23
19117	4.281420	23
19118	4.281442	22
19119	4.281465	23
19120	4.281488	23
19121	4.281511	23
19122	4.281533	22
19123	4.281556	23
19124	4.281579	23
19125	4.281601	22
19126	4.281624	23
19127	4.281647	23
19128	4.281670	23
19129	4.281692	22
19130	4.281715	23
19131	4.281738	23
19132	4.281760	22
19133	4.281783	23
19134	4.281806	23
19135	4.281828	22
19136	4.281851	23
19137	4.281874	23
19138	4.281897	23
19139	4.281919	22
19140	4.281942	23
19141	4.281965	23
19142	4.281987	22
19143	4.282010	23
19144	4.282033	23
19145	4.282055	22
19146	4.282078	23
19147	4.282101	23
19148	4.282123	22
19149	4.282146	23
19150	4.282169	23

Nomb.	5. 19′ 10″ Logarith.	D.
19150	4.282169	
19151	4.282191	22
19152	4.282214	23
19153	4.282237	23
19154	4.282259	22
19155	4.282282	23
19156	4.282305	23
19157	4.282327	22
19158	4.282350	23
19159	4.282373	23
19160	4.282396	23
19161	4.282418	22
19162	4.282441	23
19163	4.282463	22
19164	4.282486	23
19165	4.282509	23
19166	4.282531	22
19167	4.282554	23
19168	4.282577	23
19169	4.282599	22
19170	4.282622	23
19171	4.282645	23
19172	4.282667	22
19173	4.282690	23
19174	4.282713	23
19175	4.282735	22
19176	4.282758	23
19177	4.282781	23
19178	4.282803	22
19179	4.282826	23
19180	4.282849	23
19181	4.282871	22
19182	4.282894	23
19183	4.282917	23
19184	4.282939	22
19185	4.282962	23
19186	4.282984	22
19187	4.283007	23
19188	4.283030	23
19189	4.283052	22
19190	4.283075	23
19191	4.283098	23
19192	4.283120	22
19193	4.283143	23
19194	4.283165	22
19195	4.283188	23
19196	4.283211	23
19197	4.283233	22
19198	4.283256	23
19199	4.283279	23
19200	4.283301	22

Nomb.	5. 20′ 0″ Logarith.	D.
19200	4.283301	
19201	4.283324	23
19202	4.283346	22
19203	4.283369	23
19204	4.283392	23
19205	4.283414	22
19206	4.283437	23
19207	4.283460	23
19208	4.283482	22
19209	4.283505	23
19210	4.283527	22
19211	4.283550	23
19212	4.283573	23
19213	4.283595	22
19214	4.283618	23
19215	4.283640	22
19216	4.283663	23
19217	4.283686	23
19218	4.283708	22
19219	4.283731	23
19220	4.283753	22
19221	4.283776	23
19222	4.283799	23
19223	4.283821	22
19224	4.283844	23
19225	4.283866	22
19226	4.283889	23
19227	4.283912	23
19228	4.283934	22
19229	4.283957	23
19230	4.283979	22
19231	4.284002	23
19232	4.284024	22
19233	4.284047	23
19234	4.284070	23
19235	4.284092	22
19236	4.284115	23
19237	4.284137	22
19238	4.284160	23
19239	4.284182	22
19240	4.284205	23
19241	4.284228	23
19242	4.284250	22
19243	4.284273	23
19244	4.284295	22
19245	4.284318	23
19246	4.284340	22
19247	4.284363	23
19248	4.284386	23
19249	4.284408	22
19250	4.284431	23

Nomb.	5. 20′ 50″ Logarith.	D.
19250	4.284431	
19251	4.284453	22
19252	4.284476	23
19253	4.284498	22
19254	4.284521	23
19255	4.284544	23
19256	4.284566	22
19257	4.284589	23
19258	4.284611	22
19259	4.284634	23
19260	4.284656	22
19261	4.284679	23
19262	4.284701	22
19263	4.284724	23
19264	4.284746	22
19265	4.284769	23
19266	4.284792	23
19267	4.284814	22
19268	4.284837	23
19269	4.284859	22
19270	4.284882	23
19271	4.284904	22
19272	4.284927	23
19273	4.284949	22
19274	4.284972	23
19275	4.284994	22
19276	4.285017	23
19277	4.285039	22
19278	4.285062	23
19279	4.285085	23
19280	4.285107	22
19281	4.285130	23
19282	4.285152	22
19283	4.285175	23
19284	4.285197	22
19285	4.285220	23
19286	4.285242	22
19287	4.285265	23
19288	4.285287	22
19289	4.285310	23
19290	4.285332	22
19291	4.285355	23
19292	4.285377	22
19293	4.285400	23
19294	4.285422	22
19295	4.285445	23
19296	4.285467	22
19297	4.285490	23
19298	4.285512	22
19299	4.285535	23
19300	4.285557	22

Nomb.	5. 21′ 40″ Logarith.	D.
19300	4.285557	
19301	4.285580	23
19302	4.285602	22
19303	4.285625	23
19304	4.285647	22
19305	4.285670	23
19306	4.285692	22
19307	4.285715	23
19308	4.285737	22
19309	4.285760	23
19310	4.285782	22
19311	4.285805	23
19312	4.285827	22
19313	4.285850	23
19314	4.285872	22
19315	4.285895	23
19316	4.285917	22
19317	4.285940	23
19318	4.285962	22
19319	4.285985	23
19320	4.286007	22
19321	4.286030	23
19322	4.286052	22
19323	4.286075	23
19324	4.286097	22
19325	4.286119	22
19326	4.286142	23
19327	4.286164	22
19328	4.286187	23
19329	4.286209	22
19330	4.286232	23
19331	4.286254	22
19332	4.286277	23
19333	4.286299	22
19334	4.286322	23
19335	4.286344	22
19336	4.286367	23
19337	4.286389	22
19338	4.286412	23
19339	4.286434	22
19340	4.486456	22
19341	4.286479	23
19342	4.286501	22
19343	4.286524	23
19344	4.286546	22
19345	4.286569	23
19346	4.286591	22
19347	4.286614	23
19348	4.286636	22
19349	4.286658	22
19350	4.286681	23

Nomb.	5. 22′ 30″ Logarith.	D.
19350	4.286681	
19351	4.286703	22
19352	4.286726	23
19353	4.286748	22
19354	4.286771	23
19355	4.286793	22
19356	4.286816	23
19357	4.286838	22
19358	4.286860	22
19359	4.286883	23
19360	4.286905	22
19361	4.286928	23
19362	4.286950	22
19363	4.286973	23
19364	4.286995	22
19365	4.287017	22
19366	4.287040	23
19367	4.287062	22
19368	4.287085	23
19369	4.287107	22
19370	4.287130	23
19371	4.287152	22
19372	4.287174	22
19373	4.287197	23
19374	4.287219	22
19375	4.287242	23
19376	4.287264	22
19377	4.287287	23
19378	4.287309	22
19379	4.287331	22
19380	4.287354	23
19381	4.287376	22
19382	4.287399	23
19383	4.287421	22
19384	4.287443	22
19385	4.287466	23
19386	4.287488	22
19387	4.287511	23
19388	4.287533	22
19389	4.287555	22
19390	4.287578	23
19391	4.287600	22
19392	4.287623	23
19393	4.287645	22
19394	4.287667	22
19395	4.287690	23
19396	4.287712	22
19397	4.287735	23
19398	4.287757	22
19399	4.287779	22
19400	4.287802	23

Nomb.	5. 23′ 20″ Logarith.	D.
19400	4.287802	
19401	4.287824	22
19402	4.287846	22
19403	4.287869	23
19404	4.287891	22
19405	4.287914	23
19406	4.287936	22
19407	4.287958	22
19408	4.287981	23
19409	4.288003	22
19410	4.288025	22
19411	4.288048	23
19412	4.288070	22
19413	4.288093	23
19414	4.288115	22
19415	4.288137	22
19416	4.288160	23
19417	4.288182	22
19418	4.288204	22
19419	4.288227	23
19420	4.288249	22
19421	4.288272	23
19422	4.288294	22
19423	4.288316	22
19424	4.288339	23
19425	4.288361	22
19426	4.288383	22
19427	4.288406	23
19428	4.288428	22
19429	4.288450	22
19430	4.288473	23
19431	4.288495	22
19432	4.288517	22
19433	4.288540	23
19434	4.288562	22
19435	4.288584	22
19436	4.288607	23
19437	4.288629	22
19438	4.288652	23
19439	4.288674	22
19440	4.288696	22
19441	4.288719	23
19442	4.288741	22
19443	4.288763	22
19444	4.288786	23
19445	4.288808	22
19446	4.288830	22
19447	4.288853	23
19448	4.288875	22
19449	4.288897	22
19450	4.288920	23

Nomb.	5.24′ 10″ Logarith.	D.
19450	4.288920	
19451	4.288942	22
19452	4.288964	22
19453	4.288987	23
19454	4.289009	22
19455	4.289031	22
19456	4.289054	23
19457	4.289076	22
19458	4.289098	22
19459	4.289120	22
19460	4.289143	23
19461	4.289165	22
19462	4.289187	22
19463	4.289210	23
19464	4.289232	22
19465	4.289254	22
19466	4.289277	23
19467	4.289299	22
19468	4.289321	22
19469	4.289344	23
19470	4.289366	22
19471	4.289388	22
19472	4.289411	23
19473	4.289433	22
19474	4.289455	22
19475	4.289477	22
19476	4.289500	23
19477	4.289522	22
19478	4.289544	22
19479	4.289567	23
19480	4.289589	22
19481	4.289611	22
19482	4.289633	22
19483	4.289656	23
19484	4.289678	22
19485	4.289700	22
19486	4.289723	23
19487	4.289745	22
19488	4.289767	22
19489	4.289790	23
19490	4.289812	22
19491	4.289834	22
19492	4.289856	22
19493	4.289879	23
19494	4.289901	22
19495	4.289923	22
19496	4.289945	22
19497	4.289968	23
19498	4.289990	22
19499	4.290012	22
19500	4.290035	23

Nomb.	5. 25′ 0″ Logarith.	D.
19500	4.290035	
19501	4.290057	22
19502	4.290079	22
19503	4.290101	22
19504	4.290124	23
19505	4.290146	22
19506	4.290168	22
19507	4.290190	22
19508	4.290213	23
19509	4.290235	22
19510	4.290257	22
19511	4.290279	22
19512	4.290302	23
19513	4.290324	22
19514	4.290346	22
19515	4.290369	23
19516	4.290391	22
19517	4.290413	22
19518	4.290435	22
19519	4.290458	23
19520	4.290480	22
19521	4.290502	22
19522	4.290524	22
19523	4.290547	23
19524	4.290569	22
19525	4.290591	22
19526	4.290613	22
19527	4.290635	22
19528	4.290658	23
19529	4.290680	22
19530	4.290702	22
19531	4.290724	22
19532	4.290747	23
19533	4.290769	22
19534	4.290791	22
19535	4.290813	22
19536	4.290836	23
19537	4.290858	22
19538	4.290880	22
19539	4.290902	22
19540	4.290925	23
19541	4.290947	22
19542	4.290969	22
19543	4.290991	22
19544	4.291013	22
19545	4.291036	23
19546	4.291058	22
19547	4.291080	22
19548	4.291102	22
19549	4.291124	22
19550	4.291147	23

Nomb.	5. 25′ 50″ Logarith.	D.
19550	4.291147	
19551	4.291169	22
19552	4.291191	22
19553	4.291213	22
19554	4.291236	23
19555	4.291258	22
19556	4.291280	22
19557	4.291302	22
19558	4.291324	22
19559	4.291347	23
19560	4.291369	22
19561	4.291391	22
19562	4.291413	22
19563	4.291435	22
19564	4.291458	23
19565	4.291480	22
19566	4.291502	22
19567	4.291524	22
19568	4.291546	22
19569	4.291569	23
19570	4.291591	22
19571	4.291613	22
19572	4.291635	22
19573	4.291657	22
19574	4.291680	23
19575	4.291702	22
19576	4.291724	22
19577	4.291746	22
19578	4.291768	22
19579	4.291790	22
19580	4.291813	23
19581	4.291835	22
19582	4.291857	22
19583	4.291879	22
19584	4.291901	22
19585	4.291924	23
19586	4.291946	22
19587	4.291968	22
19588	4.291990	22
19589	4.292012	22
19590	4.292034	22
19591	4.292057	23
19592	4.292079	22
19593	4.292101	22
19594	4.292123	22
19595	4.292145	22
19596	4.292167	22
19597	4.292190	23
19598	4.292212	22
19599	4.292234	22
19600	4.292256	22

Nomb.	5. 26′ 40″ Logarith.	D.
19600	4.292256	
19601	4.292278	22
19602	4.292300	22
19603	4.292322	22
19604	4.292345	23
19605	4.292367	22
19606	4.292389	22
19607	4.292411	22
19608	4.292433	22
19609	4.292455	22
19610	4.292478	23
19611	4.292500	22
19612	4.292522	22
19613	4.292544	22
19614	4.292566	22
19615	4.292588	22
19616	4.292610	22
19617	4.292633	23
19618	4.292655	22
19619	4.292677	22
19620	4.292699	22
19621	4.292721	22
19622	4.292743	22
19623	4.292765	22
19624	4.292787	22
19625	4.292810	23
19626	4.292832	22
19627	4.292854	22
19628	4.292876	22
19629	4.292898	22
19630	4.292920	22
19631	4.292942	22
19632	4.292964	22
19633	4.292987	23
19634	4.293009	22
19635	4.293031	22
19636	4.293053	22
19637	4.293075	22
19638	4.293097	22
19639	4.293119	22
19640	4.293141	23
19641	4.293164	22
19642	4.293186	22
19643	4.293208	22
19644	4.293230	22
19645	4.293252	22
19646	4.293274	22
19647	4.293296	22
19648	4.293318	22
19649	4.293340	23
19650	4.293363	

Nomb.	5. 27' 30" Logarith.	D.
19650	4.293363	
19651	4.293385	22
19652	4.293407	22
19653	4.293429	22
19654	4.293451	22
19655	4.293473	22
19656	4.293495	22
19657	4.293517	22
19658	4.293539	22
19659	4.293561	22
19660	4.293583	22
19661	4.293606	23
19662	4.293628	22
19663	4.293650	22
19664	4.293672	22
19665	4.293694	22
19666	4.293716	22
19667	4.293738	22
19668	4.293760	22
19669	4.293782	22
19670	4.293804	22
19671	4.293826	22
19672	4.293848	23
19673	4.293871	22
19674	4.293893	22
19675	4.293915	22
19676	4.293937	22
19677	4.293959	22
19678	4.293981	22
19679	4.294003	22
19680	4.294025	22
19681	4.294047	22
19682	4.294069	22
19683	4.294091	22
19684	4.294113	22
19685	4.294135	22
19686	4.294157	23
19687	4.294180	22
19688	4.294202	22
19689	4.294224	22
19690	4.294246	22
19691	4.294268	22
19692	4.294290	22
19693	4.294312	22
19694	4.294334	22
19695	4.294356	22
19696	4.294378	22
19697	4.294400	22
19698	4.294422	22
19699	4.294444	22
19700	4.294466	

Nomb.	5. 28' 20" Logarith.	D.
19700	4.294466	
19701	4.294488	22
19702	4.294510	22
19703	4.294532	22
19704	4.294554	22
19705	4.294576	22
19706	4.294598	22
19707	4.294620	22
19708	4.294643	23
19709	4.294665	22
19710	4.294687	22
19711	4.294709	22
19712	4.294731	22
19713	4.294753	22
19714	4.294775	22
19715	4.294797	22
19716	4.294819	22
19717	4.294841	22
19718	4.294863	22
19719	4.294885	22
19720	4.294907	22
19721	4.294929	22
19722	4.294951	22
19723	4.294973	22
19724	4.294995	22
19725	4.295017	22
19726	4.295039	22
19727	4.295061	22
19728	4.295083	22
19729	4.295105	22
19730	4.295127	22
19731	4.295149	22
19732	4.295171	22
19733	4.295193	22
19734	4.295215	22
19735	4.295237	22
19736	4.295259	22
19737	4.295281	22
19738	4.295303	22
19739	4.295325	22
19740	4.295347	22
19741	4.295369	22
19742	4.295391	22
19743	4.295413	22
19744	4.295435	22
19745	4.295457	22
19746	4.295479	22
19747	4.295501	22
19748	4.295523	22
19749	4.295545	22
19750	4.295567	

Nomb.	5. 29' 10" Logarith.	D.
19750	4.295567	
19751	4.295589	22
19752	4.295611	22
19753	4.295633	22
19754	4.295655	22
19755	4.295677	22
19756	4.295699	22
19757	4.295721	22
19758	4.295743	22
19759	4.295765	22
19760	4.295787	22
19761	4.295809	22
19762	4.295831	22
19763	4.295853	22
19764	4.295875	22
19765	4.295897	22
19766	4.295919	22
19767	4.295941	22
19768	4.295963	22
19769	4.295985	22
19770	4.296007	22
19771	4.296029	22
19772	4.296051	22
19773	4.296073	22
19774	4.296094	21
19775	4.296116	22
19776	4.296138	22
19777	4.296160	22
19778	4.296182	22
19779	4.296204	22
19780	4.296226	22
19781	4.296248	22
19782	4.296270	22
19783	4.296292	22
19784	4.296314	22
19785	4.296336	22
19786	4.296358	22
19787	4.296380	22
19788	4.296402	22
19789	4.296424	22
19790	4.296446	22
19791	4.296468	22
19792	4.296490	22
19793	4.296512	22
19794	4.296534	22
19795	4.296556	21
19796	4.296577	22
19797	4.296599	22
19798	4.296621	22
19799	4.296643	22
19800	4.296665	

Nomb.	5. 30′ 0″ Logarith.	D.
19800	4.296665	
19801	4.296687	22
19802	4.296709	22
19803	4.296731	22
19804	4.296753	22
19805	4.296775	22
19806	4.296797	22
19807	4.296819	22
19808	4.296841	22
19809	4.296863	22
19810	4.296884	21
19811	4.296906	22
19812	4.296928	22
19813	4.296950	22
19814	4.296972	22
19815	4.296994	22
19816	4.297016	22
19817	4.297038	22
19818	4.297060	22
19819	4.297082	22
19820	4.297104	22
19821	4.297126	22
19822	4.297147	21
19823	4.297169	22
19824	4.297191	22
19825	4.297213	22
19826	4.297235	22
19827	4.297257	22
19828	4.297279	22
19829	4.297301	22
19830	4.297323	22
19831	4.297345	21
19832	4.297366	22
19833	4.297388	22
19834	4.297410	22
19835	4.297432	22
19836	4.297454	22
19837	4.297476	22
19838	4.297498	22
19839	4.297520	22
19840	4.297542	22
19841	4.297564	21
19842	4.297585	22
19843	4.297607	22
19844	4.297629	22
19845	4.297651	22
19846	4.297673	22
19847	4.297695	22
19848	4.297717	22
19849	4.297739	21
19850	4.297760	

Nomb.	5. 30′ 50″ Logarith.	D.
19850	4.297760	
19851	4.297782	22
19852	4.297804	22
19853	4.297826	22
19854	4.297848	22
19855	4.297870	22
19856	4.297892	22
19857	4.297914	22
19858	4.297935	21
19859	4.297957	22
19860	4.297979	22
19861	4.298001	22
19862	4.298023	22
19863	4.298045	22
19864	4.298067	22
19865	4.298089	22
19866	4.298110	21
19867	4.298132	22
19868	4.298154	22
19869	4.298176	22
19870	4.298198	22
19871	4.298220	22
19872	4.298242	22
19873	4.298263	21
19874	4.298285	22
19875	4.298307	22
19876	4.298329	22
19877	4.298351	22
19878	4.298373	22
19879	4.298394	21
19880	4.298416	22
19881	4.298438	22
19882	4.298460	22
19883	4.298482	22
19884	4.298504	22
19885	4.298526	21
19886	4.298547	22
19887	4.298569	22
19888	4.298591	22
19889	4.298613	22
19890	4.298635	22
19891	4.298657	21
19892	4.298678	22
19893	4.298700	22
19894	4.298722	22
19895	4.298744	22
19896	4.298766	22
19897	4.298788	21
19898	4.298809	22
19899	4.298831	22
19900	4.298853	

Nomb.	5. 31′ 40″ Logarith.	D.
19900	4.298853	
19901	4.298875	22
19902	4.298897	22
19903	4.298918	21
19904	4.298940	22
19905	4.298962	22
19906	4.298984	22
19907	4.299006	22
19908	4.299028	22
19909	4.299049	21
19910	4.299071	22
19911	4.299093	22
19912	4.299115	22
19913	4.299137	22
19914	4.299158	21
19915	4.299180	22
19916	4.299202	22
19917	4.299224	22
19918	4.299246	22
19919	4.299267	21
19920	4.299289	22
19921	4.299311	22
19922	4.299333	22
19923	4.299355	22
19924	4.299376	21
19925	4.299398	22
19926	4.299420	22
19927	4.299442	22
19928	4.299464	22
19929	4.299485	21
19930	4.299507	22
19931	4.299529	22
19932	4.299551	22
19933	4.299573	22
19934	4.299594	21
19935	4.299616	22
19936	4.299638	22
19937	4.299660	22
19938	4.299682	22
19939	4.299703	21
19940	4.299725	22
19941	4.299747	22
19942	4.299769	22
19943	4.299790	21
19944	4.299812	22
19945	4.299834	22
19946	4.299856	22
19947	4.299878	22
19948	4.299899	21
19949	4.299921	22
19950	4.299943	22

Nomb.	5. 32′ 30″ Logarith.	D.
19950	4.299943	
19951	4.299965	22
19952	4.299986	21
19953	4.300008	22
19954	4.300030	22
19955	4.300052	22
19956	4.300073	21
19957	4.300095	22
19958	4.300117	22
19959	4.300139	22
19960	4.300160	21
19961	4.300182	22
19962	4.300204	22
19963	4.300226	22
19964	4.300248	22
19965	4.300269	21
19966	4.300291	22
19967	4.300313	22
19968	4.300335	22
19969	4.300356	21
19970	4.300378	22
19971	4.300400	22
19972	4.300422	22
19973	4.300443	21
19974	4.300465	22
19975	4.300487	22
19976	4.300508	21
19977	4.300530	22
19978	4.300552	22
19979	4.300574	22
19980	4.300595	21
19981	4.300617	22
19982	4.300639	22
19983	4.300661	22
19984	4.300682	21
19985	4.300704	22
19986	4.300726	22
19987	4.300748	22
19988	4.300769	21
19989	4.300791	22
19990	4.300813	22
19991	4.300834	21
19992	4.300856	22
19993	4.300878	22
19994	4.300900	22
19995	4.300921	21
19996	4.300943	22
19997	4.300965	22
19998	4.300987	22
19999	4.301008	21
20000	4.301030	22

Nomb.	5. 33′ 20″ Logarith.	D.
20000	4.301030	
20001	4.301052	22
20002	4.301073	21
20003	4.301095	22
20004	4.301117	22
20005	4.301139	22
20006	4.301160	21
20007	4.301182	22
20008	4.301204	22
20009	4.301225	21
20010	4.301247	22
20011	4.301269	22
20012	4.301290	21
20013	4.301312	22
20014	4.301334	22
20015	4.301356	22
20016	4.301377	21
20017	4.301399	22
20018	4.301421	22
20019	4.301442	21
20020	4.301464	22
20021	4.301486	22
20022	4.301507	21
20023	4.301529	22
20024	4.301551	22
20025	4.301572	21
20026	4.301594	22
20027	4.301616	22
20028	4.301638	22
20029	4.301659	21
20030	4.301681	22
20031	4.301703	22
20032	4.301724	21
20033	4.301746	22
20034	4.301768	22
20035	4.301789	21
20036	4.301811	22
20037	4.301833	22
20038	4.301854	21
20039	4.301876	22
20040	4.301898	22
20041	4.301919	21
20042	4.301941	22
20043	4.301963	22
20044	4.301984	21
20045	4.302006	22
20046	4.302028	22
20047	4.302049	21
20048	4.302071	22
20049	4.302093	22
20050	4.302114	21

Nomb.	5. 34′ 10″ Logarith.	D.
20050	4.302114	
20051	4.302136	22
20052	4.302158	22
20053	4.302179	21
20054	4.302201	22
20055	4.302223	22
20056	4.302244	21
20057	4.302266	22
20058	4.302288	22
20059	4.302309	21
20060	4.302331	22
20061	4.302353	22
20062	4.302374	21
20063	4.302396	22
20064	4.302417	21
20065	4.302439	22
20066	4.302461	22
20067	4.302482	21
20068	4.302504	22
20069	4.302526	22
20070	4.302547	21
20071	4.302569	22
20072	4.302591	22
20073	4.302612	21
20074	4.302634	22
20075	4.302656	22
20076	4.302677	21
20077	4.302699	22
20078	4.302720	21
20079	4.302742	22
20080	4.302764	22
20081	4.302785	21
20082	4.302807	22
20083	4.302829	22
20084	4.302850	21
20085	4.302872	22
20086	4.302893	22
20087	4.302915	22
20088	4.302937	21
20089	4.302958	22
20090	4.302980	22
20091	4.303002	21
20092	4.303023	22
20093	4.303045	21
20094	4.303066	22
20095	4.303088	22
20096	4.303110	21
20097	4.303131	22
20098	4.303153	21
20099	4.303174	22
20100	4.303196	

Nomb.	5. 35′ 0″ Logarith.	D.
20100	4.303196	
20101	4.303218	22
20102	4.303239	21
20103	4.303261	22
20104	4.303282	21
20105	4.303304	22
20106	4.303326	22
20107	4.303347	21
20108	4.303369	22
20109	4.303390	21
20110	4.303412	22
20111	4.303434	22
20112	4.303455	21
20113	4.303477	22
20114	4.303498	21
20115	4.303520	22
20116	4.303542	22
20117	4.303563	21
20118	4.303585	22
20119	4.303606	21
20120	4.303628	22
20121	4.303650	22
20122	4.303671	21
20123	4.303693	22
20124	4.303714	21
20125	4.303736	22
20126	4.303757	21
20127	4.303779	22
20128	4.303801	22
20129	4.303822	21
20130	4.303844	22
20131	4.303865	21
20132	4.303887	22
20133	4.303908	21
20134	4.303930	22
20135	4.303952	22
20136	4.303973	21
20137	4.303995	22
20138	4.304016	21
20139	4.304038	22
20140	4.304059	21
20141	4.304081	22
20142	4.304103	22
20143	4.304124	21
20144	4.304146	22
20145	4.304167	21
20146	4.304189	22
20147	4.304210	21
20148	4.304232	22
20149	4.304253	21
20150	4.304275	22

Nomb.	5. 35′ 50″ Logarith.	D.
20150	4.304275	
20151	4.304297	22
20152	4.304318	21
20153	4.304340	22
20154	4.304361	21
20155	4.304383	22
20156	4.304404	21
20157	4.304426	22
20158	4.304447	21
20159	4.304469	22
20160	4.304490	21
20161	4.304512	22
20162	4.304534	22
20163	4.304555	21
20164	4.304577	22
20165	4.304598	21
20166	4.304620	22
20167	4.304641	21
20168	4.304663	22
20169	4.304684	21
20170	4.304706	22
20171	4.304727	21
20172	4.304749	22
20173	4.304770	21
20174	4.304792	22
20175	4.304813	21
20176	4.304835	22
20177	4.304857	22
20178	4.304878	21
20179	4.304900	22
20180	4.304921	21
20181	4.304943	22
20182	4.304964	21
20183	4.304986	22
20184	4.305007	21
20185	4.305029	22
20186	4.305050	21
20187	4.305072	22
20188	4.305093	21
20189	4.305115	22
20190	4.305136	21
20191	4.305158	22
20192	4.305179	21
20193	4.305201	22
20194	4.305222	21
20195	4.305244	22
20196	4.305265	21
20197	4.305287	22
20198	4.305308	21
20199	4.305330	22
20200	4.305351	21

Nomb.	5. 36′ 40″ Logarith.	D.
20200	4.305351	
20201	4.305373	22
20202	4.305394	21
20203	4.305416	22
20204	4.305437	21
20205	4.305459	22
20206	4.305480	21
20207	4.305502	22
20208	4.305523	21
20209	4.305545	22
20210	4.305566	21
20211	4.305588	22
20212	4.305609	21
20213	4.305631	22
20214	4.305652	21
20215	4.305674	22
20216	4.305695	21
20217	4.305717	22
20218	4.305738	21
20219	4.305760	22
20220	4.305781	21
20221	4.305803	22
20222	4.305824	21
20223	4.305846	22
20224	4.305867	21
20225	4.305888	21
20226	4.305910	22
20227	4.305931	21
20228	4.305953	22
20229	4.305974	21
20230	4.305996	22
20231	4.306017	21
20232	4.306039	22
20233	4.306060	21
20234	4.306082	22
20235	4.306103	21
20236	4.306125	22
20237	4.306146	21
20238	4.306168	22
20239	4.306189	21
20240	4.306210	21
20241	4.306232	22
20242	4.306253	21
20243	4.306275	22
20244	4.306296	21
20245	4.306318	22
20246	4.306339	21
20247	4.306361	22
20248	4.306382	21
20249	4.306404	22
20250	4.306425	21

Numb.	5. 37′ 30″ Logarith.	D.	Numb.	5. 38′ 20″ Logarith.	D.	Numb.	5. 39′ 10″ Logarith.	D.
20250	4.306425		20300	4.307496		20350	4.308564	
20251	4.306446	21	20301	4.307517	21	20351	4.308586	22
20252	4.306468	22	20302	4.307539	22	20352	4.308607	21
20253	4.306489	21	20303	4.307560	21	20353	4.308628	21
20254	4.306511	22	20304	4.307582	22	20354	4.308650	22
20255	4.306532	21	20305	4.307603	21	20355	4.308671	21
20256	4.306554	22	20306	4.307624	21	20356	4.308692	21
20257	4.306575	21	20307	4.307646	22	20357	4.308714	22
20258	4.306597	22	20308	4.307667	21	20358	4.308735	21
20259	4.306618	21	20309	4.307688	21	20359	4.308756	21
20260	4.306639	21	20310	4.307710	22	20360	4.308778	22
20261	4.306661	22	20311	4.307731	21	20361	4.308799	21
20262	4.306682	21	20312	4.307753	22	20362	4.308820	21
20263	4.306704	22	20313	4.307774	21	20363	4.308842	22
20264	4.306725	21	20314	4.307795	21	20364	4.308863	21
20265	4.306747	22	20315	4.307817	22	20365	4.308884	21
20266	4.306768	21	20316	4.307838	21	20366	4.308906	22
20267	4.306789	21	20317	4.307860	22	20367	4.308927	21
20268	4.306811	22	20318	4.307881	21	20368	4.308948	21
20269	4.306832	21	20319	4.307902	21	20369	4.308970	22
20270	4.306854	22	20320	4.307924	22	20370	4.308991	21
20271	4.306875	21	20321	4.307945	21	20371	4.309012	21
20272	4.306897	22	20322	4.307966	21	20372	4.309034	22
20273	4.306918	21	20323	4.307988	22	20373	4.309055	21
20274	4.306939	21	20324	4.308009	21	20374	4.309076	21
20275	4.306961	22	20325	4.308031	22	20375	4.309098	22
20276	4.306982	21	20326	4.308052	21	20376	4.309119	21
20277	4.307004	22	20327	4.308073	21	20377	4.309140	21
20278	4.307025	21	20328	4.308095	22	20378	4.309162	22
20279	4.307046	21	20329	4.308116	21	20379	4.309183	21
20280	4.307068	22	20330	4.308137	21	20380	4.309204	21
20281	4.307089	21	20331	4.308159	22	20381	4.309225	21
20282	4.307111	22	20332	4.308180	21	20382	4.309247	22
20283	4.307132	21	20333	4.308201	21	20383	4.309268	21
20284	4.307154	22	20334	4.308223	22	20384	4.309289	21
20285	4.307175	21	20335	4.308244	21	20385	4.309311	22
20286	4.307196	21	20336	4.308265	21	20386	4.309332	2
20287	4.307218	22	20337	4.308287	22	20387	4.309353	21
20288	4.307239	21	20338	4.308308	21	20388	4.309375	22
20289	4.307261	22	20339	4.308330	22	20389	4.309396	21
20290	4.307282	21	20340	4.308351	21	20390	4.309417	21
20291	4.307303	21	20341	4.308372	21	20391	4.309438	21
20292	4.307325	22	20342	4.308394	22	20392	4.309460	22
20293	4.307346	21	20343	4.308415	21	20393	4.309481	21
20294	4.307368	22	20344	4.308436	21	20394	4.309502	21
20295	4.307389	21	20345	4.308458	22	20395	4.309524	22
20296	4.307410	21	20346	4.308479	21	20396	4.309545	21
20297	4.307432	22	20347	4.308500	21	20397	4.309566	21
20298	4.307453	21	20348	4.308522	22	20398	4.309588	22
20299	4.307475	22	20349	4.308543	21	20399	4.309609	21
20300	4.307496	21	20350	4.308564	21	20400	4.309630	21

Nomb.	5. 40′ 0″ Logarith.	D.
20400	4.309630	
20401	4.309651	21
20402	4.309673	22
20403	4.309694	21
20404	4.309715	21
20405	4.309737	22
20406	4.309758	21
20407	4.309779	21
20408	4.309800	21
20409	4.309822	22
20410	4.309843	21
20411	4.309864	21
20412	4.309886	22
20413	4.309907	21
20414	4.309928	21
20415	4.309949	21
20416	4.309971	22
20417	4.309992	21
20418	4.310013	21
20419	4.310034	21
20420	4.310056	22
20421	4.310077	21
20422	4.310098	21
20423	4.310119	21
20424	4.310141	22
20425	4.310162	21
20426	4.310183	21
20427	4.310205	22
20428	4.310226	21
20429	4.310247	21
20430	4.310268	21
20431	4.310290	22
20432	4.310311	21
20433	4.310332	21
20434	4.310353	21
20435	4.310375	22
20436	4.310396	21
20437	4.310417	21
20438	4.310438	21
20439	4.310460	22
20440	4.310481	21
20441	4.310502	21
20442	4.310523	21
20443	4.310545	22
20444	4.310566	21
20445	4.310587	21
20446	4.310608	21
20447	4.310630	22
20448	4.310651	21
20449	4.310672	21
20450	4.310693	21

Nomb.	5. 40′ 50″ Logarith.	D.
20450	4.310693	
20451	4.310714	21
20452	4.310736	22
20453	4.310757	21
20454	4.310778	21
20455	4.310799	21
20456	4.310821	22
20457	4.310842	21
20458	4.310863	21
20459	4.310884	21
20460	4.310906	22
20461	4.310927	21
20462	4.310948	21
20463	4.310969	21
20464	4.310990	21
20465	4.311012	22
20466	4.311033	21
20467	4.311054	21
20468	4.311075	21
20469	4.311097	22
20470	4.311118	21
20471	4.311139	21
20472	4.311160	21
20473	4.311181	21
20474	4.311203	22
20475	4.311224	21
20476	4.311245	21
20477	4.311266	21
20478	4.311287	21
20479	4.311309	22
20480	4.311330	21
20481	4.311351	21
20482	4.311372	21
20483	4.311394	22
20484	4.311415	21
20485	4.311436	21
20486	4.311457	21
20487	4.311478	21
20488	4.311500	22
20489	4.311521	21
20490	4.311542	21
20491	4.311563	21
20492	4.311584	21
20493	4.311605	21
20494	4.311627	22
20495	4.311648	21
20496	4.311669	21
20497	4.311690	21
20498	4.311711	21
20499	4.311733	22
20500	4.311754	21

Nomb.	5. 41′ 40″ Logarith.	D.
20500	4.311754	
20501	4.311775	21
20502	4.311796	21
20503	4.311817	21
20504	4.311839	22
20505	4.311860	21
20506	4.311881	21
20507	4.311902	21
20508	4.311923	21
20509	4.311944	21
20510	4.311966	22
20511	4.311987	21
20512	4.312008	21
20513	4.312029	21
20514	4.312050	21
20515	4.312071	21
20516	4.312093	22
20517	4.312114	21
20518	4.312135	21
20519	4.312156	21
20520	4.312177	21
20521	4.312198	21
20522	4.312220	22
20523	4.312241	21
20524	4.312262	21
20525	4.312283	21
20526	4.312304	21
20527	4.312325	21
20528	4.312347	22
20529	4.312368	21
20530	4.312389	21
20531	4.312410	21
20532	4.312431	21
20533	4.312452	21
20534	4.312474	22
20535	4.312495	21
20536	4.312516	21
20537	4.312537	21
20538	4.312558	21
20539	4.312579	21
20540	4.312600	21
20541	4.312622	22
20542	4.312643	21
20543	4.312664	21
20544	4.312685	21
20545	4.312706	21
20546	4.312727	21
20547	4.312748	21
20548	4.312770	22
20549	4.312791	21
20550	4.312812	21

Nomb.	5. 42′ 30″ Logarith.	D.
20550	4.312812	
20551	4.312833	21
20552	4.312854	21
20553	4.312875	21
20554	4.312896	21
20555	4.312917	21
20556	4.312939	22
20557	4.312960	21
20558	4.312981	21
20559	4.313002	21
20560	4.313023	21
20561	4.313044	21
20562	4.313065	21
20563	4.313086	21
20564	4.313108	22
20565	4.313129	21
20566	4.313150	21
20567	4.313171	21
20568	4.313192	21
20569	4.313213	21
20570	4.313234	21
20571	4.313255	21
20572	4.313276	21
20573	4.313298	22
20574	4.313319	21
20575	4.313340	21
20576	4.313361	21
20577	4.313382	21
20578	4.313403	21
20579	4.313424	21
20580	4.313445	21
20581	4.313466	21
20582	4.313488	22
20583	4.313509	21
20584	4.313530	21
20585	4.313551	21
20586	4.313572	21
20587	4.313593	21
20588	4.313614	21
20589	4.313635	21
20590	4.313656	21
20591	4.313677	21
20592	4.313698	22
20593	4.313720	21
20594	4.313741	21
20595	4.313762	21
20596	4.313783	21
20597	4.313804	21
20598	4.313825	21
20599	4.313846	21
20600	4.313867	

Nomb.	5. 43′ 20″ Logarith.	D.
20600	4.313867	
20601	4.313888	21
20602	4.313909	21
20603	4.313930	21
20604	4.313951	21
20605	4.313973	22
20606	4.313994	21
20607	4.314015	21
20608	4.314036	21
20609	4.314057	21
20610	4.314078	21
20611	4.314099	21
20612	4.314120	21
20613	4.314141	21
20614	4.314162	21
20615	4.314183	21
20616	4.314204	21
20617	4.314225	21
20618	4.314246	21
20619	4.314268	22
20620	4.314289	21
20621	4.314310	21
20622	4.314331	21
20623	4.314352	21
20624	4.314373	21
20625	4.314394	21
20626	4.314415	21
20627	4.314436	21
20628	4.314457	21
20629	4.314478	21
20630	4.314499	21
20631	4.314520	21
20632	4.314541	21
20633	4.314562	21
20634	4.314583	21
20635	4.314604	21
20636	4.314625	21
20637	4.314647	22
20638	4.314668	21
20639	4.314689	21
20640	4.314710	21
20641	4.314731	21
20642	4.314752	21
20643	4.314773	21
20644	4.314794	21
20645	4.314815	21
20646	4.314836	21
20647	4.314857	21
20648	4.314878	21
20649	4.314899	21
20650	4.314920	

Nomb.	5. 44′ 10″ Logarith.	D.
20650	4.314920	
20651	4.314941	21
20652	4.314962	21
20653	4.314983	21
20654	4.315004	21
20655	4.315025	21
20656	4.315046	21
20657	4.315067	21
20658	4.315088	21
20659	4.315109	21
20660	4.315130	21
20661	4.315151	21
20662	4.315172	21
20663	4.315193	21
20664	4.315214	21
20665	4.315235	21
20666	4.315256	21
20667	4.315277	21
20668	4.315298	21
20669	4.315319	21
20670	4.315340	21
20671	4.315361	21
20672	4.315382	21
20673	4.315403	21
20674	4.315424	21
20675	4.315445	21
20676	4.315466	21
20677	4.315487	21
20678	4.315508	21
20679	4.315529	21
20680	4.315550	21
20681	4.315571	21
20682	4.315592	21
20683	4.315613	21
20684	4.315634	21
20685	4.315655	21
20686	4.315676	21
20687	4.315697	21
20688	4.315718	21
20689	4.315739	21
20690	4.315760	21
20691	4.315781	21
20692	4.315802	21
20693	4.315823	21
20694	4.315844	21
20695	4.315865	21
20696	4.315886	21
20697	4.315907	21
20698	4.315928	21
20699	4.315949	21
20700	4.315970	

Nomb.	5. 45' 0" Logarith.	D.
20700	4.315970	
20701	4.315991	21
20702	4.316012	21
20703	4.316033	21
20704	4.316054	21
20705	4.316075	21
20706	4.316096	21
20707	4.316117	21
20708	4.316138	21
20709	4.316159	21
20710	4.316180	21
20711	4.316201	21
20712	4.316222	21
20713	4.316243	21
20714	4.316264	21
20715	4.316285	21
20716	4.316306	21
20717	4.316327	21
20718	4.316348	21
20719	4.316369	21
20720	4.316390	21
20721	4.316411	21
20722	4.316432	21
20723	4.316453	21
20724	4.316474	21
20725	4.316494	20
20726	4.316515	21
20727	4.316536	21
20728	4.316557	21
20729	4.316578	21
20730	4.316599	21
20731	4.316620	21
20732	4.316641	21
20733	4.316662	21
20734	4.316683	21
20735	4.316704	21
20736	4.316725	21
20737	4.316746	21
20738	4.316767	21
20739	4.316788	21
20740	4.316809	21
20741	4.316830	21
20742	4.316851	21
20743	4.316872	20
20744	4.316892	21
20745	4.316913	21
20746	4.316934	21
20747	4.316955	21
20748	4.316976	21
20749	4.316997	21
20750	4.317018	

Nomb.	5. 45' 50" Logarith.	D.
20750	4.317018	
20751	4.317039	21
20752	4.317060	21
20753	4.317081	21
20754	4.317102	21
20755	4.317123	21
20756	4.317144	21
20757	4.317165	21
20758	4.317185	20
20759	4.317206	21
20760	4.317227	21
20761	4.317248	21
20762	4.317269	21
20763	4.317290	21
20764	4.317311	21
20765	4.317332	21
20766	4.317353	21
20767	4.317374	21
20768	4.317395	21
20769	4.317416	21
20770	4.317436	20
20771	4.317457	21
20772	4.317478	21
20773	4.317499	21
20774	4.317520	21
20775	4.317541	21
20776	4.317562	21
20777	4.317583	21
20778	4.317604	21
20779	4.317625	21
20780	4.317645	20
20781	4.317666	21
20782	4.317687	21
20783	4.317708	21
20784	4.317729	21
20785	4.317750	21
20786	4.317771	21
20787	4.317792	21
20788	4.317813	21
20789	4.317834	21
20790	4.317854	20
20791	4.317875	21
20792	4.317896	21
20793	4.317917	21
20794	4.317938	21
20795	4.317959	21
20796	4.317980	21
20797	4.318001	21
20798	4.318022	20
20799	4.318042	21
20800	4.318063	

Nomb.	5. 46' 40" Logarith.	D
20800	4.318063	
20801	4.318084	21
20802	4.318105	21
20803	4.318126	21
20804	4.318147	21
20805	4.318168	21
20806	4.318189	21
20807	4.318209	20
20808	4.318230	21
20809	4.318251	21
20810	4.318272	21
20811	4.318293	21
20812	4.318314	21
20813	4.318335	21
20814	4.318356	21
20815	4.318376	20
20816	4.318397	21
20817	4.318418	21
20818	4.318439	21
20819	4.318460	21
20820	4.318481	21
20821	4.318502	21
20822	4.318522	20
20823	4.318543	21
20824	4.318564	21
20825	4.318585	21
20826	4.318606	21
20827	4.318627	21
20828	4.318648	21
20829	4.318668	20
20830	4.318689	21
20831	4.318710	21
20832	4.318731	21
20833	4.318752	21
20834	4.318773	21
20835	4.318793	20
20836	4.318814	21
20837	4.318835	21
20838	4.318856	21
20839	4.318877	21
20840	4.318898	21
20841	4.318919	21
20842	4.318939	20
20843	4.318960	21
20844	4.318981	21
20845	4.319002	21
20846	4.319023	21
20847	4.319044	21
20848	4.319064	20
20849	4.319085	21
20850	4.319106	21

Nomb.	5. 47' 30" Logarith.	D.	Nomb.	5. 48' 20" Logarith.	D.	Nomb.	5. 49' 10" Logarith.	D.
20850	4.319106		20900	4.320146		20950	4.321184	
20851	4.319127	21	20901	4.320167	21	20951	4.321205	21
20852	4.319148	21	20902	4.320188	21	20952	4.321225	20
20853	4.319168	20	20903	4.320209	21	20953	4.321246	21
20854	4.319189	21	20904	4.320229	20	20954	4.321267	21
20855	4.319210	21	20905	4.320250	21	20955	4.321288	21
20856	4.319231	21	20906	4.320271	21	20956	4.321308	20
20857	4.319252	21	20907	4.320292	21	20957	4.321329	21
20858	4.319273	21	20908	4.320312	20	20958	4.321350	21
20859	4.319293	20	20909	4.320333	21	20959	4.321371	21
20860	4.319314	21	20910	4.320354	21	20960	4.321391	20
20861	4.319335	21	20911	4.320375	21	20961	4.321412	21
20862	4.319356	21	20912	4.320396	21	20962	4.321433	21
20863	4.319377	21	20913	4.320416	20	20963	4.321453	20
20864	4.319398	21	20914	4.320437	21	20964	4.321474	21
20865	4.319418	20	20915	4.320458	21	20965	4.321495	21
20866	4.319439	21	20916	4.320479	21	20966	4.321516	21
20867	4.319460	21	20917	4.320499	20	20967	4.321536	20
20868	4.319481	21	20918	4.320520	21	20968	4.321557	21
20869	4.319502	21	20919	4.320541	21	20969	4.321578	21
20870	4.319522	20	20920	4.320562	21	20970	4.321598	20
20871	4.319543	21	20921	4.320582	20	20971	4.321619	21
20872	4.319564	21	20922	4.320603	21	20972	4.321640	21
20873	4.319585	21	20923	4.320624	21	20973	4.321661	21
20874	4.319606	21	20924	4.320645	21	20974	4.321681	20
20875	4.319626	20	20925	4.320665	20	20975	4.321702	21
20876	4.319647	21	20926	4.320686	21	20976	4.321723	21
20877	4.319668	21	20927	4.320707	21	20977	4.321743	20
20878	4.319689	21	20928	4.320728	21	20978	4.321764	21
20879	4.319710	21	20929	4.320748	20	20979	4.321785	21
20880	4.319730	20	20930	4.320769	21	20980	4.321805	20
20881	4.319751	21	20931	4.320790	21	20981	4.321826	21
20882	4.319772	21	20932	4.320811	21	20982	4.321847	21
20883	4.319793	21	20933	4.320831	20	20983	4.321868	21
20884	4.319814	21	20934	4.320852	21	20984	4.321888	20
20885	4.319834	20	20935	4.320873	21	20985	4.321909	21
20886	4.319855	21	20936	4.320894	21	20986	4.321930	21
20887	4.319876	21	20937	4.320914	20	20987	4.321950	20
20888	4.319897	21	20938	4.320935	21	20988	4.321971	21
20889	4.319918	21	20939	4.320956	21	20989	4.321992	21
20890	4.319938	20	20940	4.320977	21	20990	4.322012	20
20891	4.319959	21	20941	4.320997	20	20991	4.322033	21
20892	4.319980	21	10942	4.321018	21	20992	4.322054	21
20893	4.320001	21	20943	4.321039	21	20993	4.322074	20
20894	4.320022	21	20944	4.321060	21	20994	4.322095	21
20895	4.320042	20	20945	4.321080	20	20995	4.322116	21
20896	4.320063	21	20946	4.321101	21	20996	4.322137	21
20897	4.320084	21	20947	4.321122	21	20997	4.322157	20
20898	4.320105	21	20948	4.321143	21	20998	4.322178	21
20899	4.320125	20	20949	4.321163	20	20999	4.322199	21
20900	4.320146	21	20950	4.321184	21	21000	4.322219	20

Nomb.	5. 50′ 0″ Logarith.	D.
21000	4.322219	
21001	4.322240	21
21002	4.322261	21
21003	4.322281	20
21004	4.322302	21
21005	4.322323	21
21006	4.322343	20
21007	4.322364	21
21008	4.322385	21
21009	4.322405	20
21010	4.322426	21
21011	4.322447	21
21012	4.322467	20
21013	4.322488	21
21014	4.322509	21
21015	4.322529	20
21016	4.322550	21
21017	4.322571	21
21018	4.322591	20
21019	4.322612	21
21020	4.322633	21
21021	4.322653	20
21022	4.322674	21
21023	4.322695	21
21024	4.322715	20
21025	4.322736	21
21026	4.322757	21
21027	4.322777	20
21028	4.322798	21
21029	4.322819	21
21030	4.322839	20
21031	4.322860	21
21032	4.322881	21
21033	4.322901	20
21034	4.322922	21
21035	4.322943	21
21036	4.322963	20
21037	4.322984	21
21038	4.323004	20
21039	4.323025	21
21040	4.323046	21
21041	4.323066	20
21042	4.323087	21
21043	4.323108	21
21044	4.323128	20
21045	4.323149	21
21046	4.323170	21
21047	4.323190	20
21048	4.323211	21
21049	4.323231	20
21050	4.323252	21

Nomb.	5. 50′ 50″ Logarith.	D.
21050	4.323252	
21051	4.323273	21
21052	4.323293	20
21053	4.323314	21
21054	4.323335	21
21055	4.323355	20
21056	4.323376	21
21057	4.323396	20
21058	4.323417	21
21059	4.323438	21
21060	4.323458	20
21061	4.323479	21
21062	4.323500	21
21063	4.323520	20
21064	4.323541	21
21065	4.323561	20
21066	4.323582	21
21067	4.323603	21
21068	4.323623	20
21069	4.323644	21
21070	4.323664	20
21071	4.323685	21
21072	4.323706	21
21073	4.323726	20
21074	4.323747	21
21075	4.323768	21
21076	4.323788	20
21077	4.323809	21
21078	4.323829	20
21079	4.323850	21
21080	4.323871	21
21081	4.323891	20
21082	4.323912	21
21083	4.323932	20
21084	4.323953	21
21085	4.323974	21
21086	4.323994	20
21087	4.324015	21
21088	4.324035	20
21089	4.324056	21
21090	4.324077	21
21091	4.324097	20
21092	4.324118	21
21093	4.324138	20
21094	4.324159	21
21095	4.324179	20
21096	4.324200	21
21097	4.324221	21
21098	4.324241	20
21099	4.324262	21
21100	4.324282	20

Nomb.	5. 51′ 40″ Logarith.	D.
21100	4.324282	
21101	4.324303	21
21102	4.324324	21
21103	4.324344	20
21104	4.324365	21
21105	4.324385	20
21106	4.324406	21
21107	4.324426	20
21108	4.324447	21
21109	4.324468	21
21110	4.324488	20
21111	4.324509	21
21112	4.324529	20
21113	4.324550	21
21114	4.324570	20
21115	4.324591	21
21116	4.324612	21
21117	4.324632	20
21118	4.324653	21
21119	4.324673	20
21120	4.324694	21
21121	4.324714	20
21122	4.324735	21
21123	4.324756	21
21124	4.324776	20
21125	4.324797	21
21126	4.324817	20
21127	4.324838	21
21128	4.324858	20
21129	4.324879	21
21130	4.324899	20
21131	4.324920	21
21132	4.324941	21
21133	4.324961	20
21134	4.324982	21
21135	4.325002	20
21136	4.325023	21
21137	4.325043	20
21138	4.325064	21
21139	4.325084	20
21140	4.325105	21
21141	4.325125	20
21142	4.325146	21
21143	4.325167	21
21144	4.325187	20
21145	4.325208	21
21146	4.325228	20
21147	4.325249	21
21148	4.325269	20
21149	4.325290	21
21150	4.325310	20

Nomb.	5. 52′ 30″ Logarith.	D.
21150	4.325310	
21151	4.325331	21
21152	4.325351	20
21153	4.325372	21
21154	4.325392	20
21155	4.325413	21
21156	4.325434	21
21157	4.325454	20
21158	4.325475	21
21159	4.325495	20
21160	4.325516	21
21161	4.325536	20
21162	4.325557	21
21163	4.325577	20
21164	4.325598	21
21165	4.325618	20
21166	4.325639	21
21167	4.325659	20
21168	4.325680	21
21169	4.325700	20
21170	4.325721	21
21171	4.325741	20
21172	4.325762	21
21173	4.325782	20
21174	4.325803	21
21175	4.325823	20
21176	4.325844	21
21177	4.325864	20
21178	4.325885	21
21179	4.325905	20
21180	4.325926	21
21181	4.325946	20
21182	4.325967	21
21183	4.325987	20
21184	4.326008	21
21185	4.326028	20
21186	4.326049	21
21187	4.326069	20
21188	4.326090	21
21189	4.326110	20
21190	4.326131	21
21191	4.326151	20
21192	4.326172	21
21193	4.326192	20
21194	4.326213	21
21195	4.326233	20
21196	4.326254	21
21197	4.326274	20
21198	4.326295	21
21199	4.326315	20
21200	4.326336	21

Nomb.	5. 53′ 20″ Logarith.	D.
21200	4.326336	
21201	4.326356	20
21202	4.326377	21
21203	4.326397	20
21204	4.326418	21
21205	4.326438	20
21206	4.326459	21
21207	4.326479	20
21208	4.326500	21
21209	4.326520	20
21210	4.326541	21
21211	4.326561	20
21212	4.326582	21
21213	4.326602	20
21214	4.326623	21
21215	4.326643	20
21216	4.326663	20
21217	4.326684	21
21218	4.326704	20
21219	4.326725	21
21220	4.326745	20
21221	4.326766	21
21222	4.326786	20
21223	4.326807	21
21224	4.326827	20
21225	4.326848	21
21226	4.326868	20
21227	4.326889	21
21228	4.326909	20
21229	4.326929	20
21230	4.326950	21
21231	4.326970	20
21232	4.326991	21
21233	4.327011	20
21234	4.327032	21
21235	4.327052	20
21236	4.327073	21
21237	4.327093	20
21238	4.327114	21
21239	4.327134	20
21240	4.327155	21
21241	4.327175	20
21242	4.327195	20
21243	4.327216	21
21244	4.327236	20
21245	4.327257	21
21246	4.327277	20
21247	4.327298	21
21248	4.327318	20
21249	4.327339	21
21250	4.327359	20

Nomb.	5. 54′ 10″ Logarith.	D.
21250	4.327359	
21251	4.327379	20
21252	4.327400	21
21253	4.327420	20
21254	4.327441	21
21255	4.327461	20
21256	4.327481	20
21257	4.327502	21
21258	4.327522	20
21259	4.327543	21
21260	4.327563	20
21261	4.327584	21
21262	4.327604	20
21263	4.327624	20
21264	4.327645	21
21265	4.327665	20
21266	4.327686	21
21267	4.327706	20
21268	4.327727	21
21269	4.327747	20
21270	4.327767	20
21271	4.327788	21
21272	4.327808	20
21273	4.327829	21
21274	4.327849	20
21275	4.327870	21
21276	4.327890	20
21277	4.327910	20
21278	4.327931	21
21279	4.327951	20
21280	4.327972	21
21281	4.327992	20
21282	4.328012	20
21283	4.328033	21
21284	4.328053	20
21285	4.328074	21
21286	4.328094	20
21287	4.328114	20
21288	4.328135	21
21289	4.328156	21
21290	4.328176	20
21291	4.328196	20
21292	4.328216	20
21293	4.328237	21
21294	4.328257	20
21295	4.328278	21
21296	4.328298	20
21297	4.328318	20
21298	4.328339	21
21299	4.328359	20
21300	4.328380	21

Nomb.	5. 55′ 0″ Logarith.	D.	Nomb.	5. 55′ 50″ Logarith.	D.	Nomb.	5. 56′ 40″ Logarith.	D.
21300	4.328380		21350	4.329398		21400	4.330414	
21301	4.328400	20	21351	4.329418	20	21401	4.330434	20
21302	4.328420	20	21352	4.329439	21	21402	4.330454	20
21303	4.328441	21	21353	4.329459	20	21403	4.330475	21
21304	4.328461	20	21354	4.329479	20	21404	4.330495	20
21305	4.328481	20	21355	4.329500	21	21405	4.330515	20
21306	4.328502	21	21356	4.329520	20	21406	4.330535	20
21307	4.328522	20	21357	4.329540	20	21407	4.330556	21
21308	4.328543	21	21358	4.329561	21	21408	4.330576	20
21309	4.328563	20	21359	4.329581	20	21409	4.330596	20
21310	4.328583	20	21360	4.329601	20	21410	4.330617	21
21311	4.328604	21	21361	4.329622	21	21411	4.330637	20
21312	4.328624	20	21362	4.329642	20	21412	4.330657	20
21313	4.328645	21	21363	4.329662	20	21413	4.330677	20
21314	4.328665	20	21364	4.329683	21	21414	4.330698	21
21315	4.328685	20	21365	4.329703	20	21415	4.330718	20
21316	4.328706	21	21366	4.329723	20	21416	4.330738	20
21317	4.328726	20	21367	4.329744	21	21417	4.330759	21
21318	4.328746	20	21368	4.329764	20	21418	4.330779	20
21319	4.328767	21	21369	4.329784	20	21419	4.330799	20
21320	4.328787	20	21370	4.329804	20	21420	4.330819	20
21321	4.328808	21	21371	4.329825	21	21421	4.330840	21
21322	4.328828	20	21372	4.329845	20	21422	4.330860	20
21323	4.328848	20	21373	4.329865	20	21423	4.330880	20
21324	4.328869	21	21374	4.329886	21	21424	4.330901	21
21325	4.328889	20	21375	4.329906	20	21425	4.330921	20
21326	4.328909	20	21376	4.329926	20	21426	4.330941	20
21327	4.328930	21	21377	4.329947	21	21427	4.330961	20
21328	4.328950	20	21378	4.329967	20	21428	4.330982	21
21329	4.328970	20	21379	4.329987	20	21429	4.331002	20
21330	4.328991	21	21380	4.330008	21	21430	4.331022	20
21331	4.329011	20	21381	4.330028	20	21431	4.331042	20
21332	4.329032	21	21382	4.330048	20	21432	4.331063	21
21333	4.329052	20	21383	4.330069	21	21433	4.331083	20
21334	4.329072	20	21384	4.330089	20	21434	4.331103	20
21335	4.329093	21	21385	4.330109	20	21435	4.331123	20
21336	4.329113	20	21386	4.330130	21	21436	4.331144	21
21337	4.329133	20	21387	4.330150	20	21437	4.331164	20
21338	4.329154	21	21388	4.330170	20	21438	4.331184	20
21339	4.329174	20	21389	4.330190	20	21439	4.331204	20
21340	4.329194	20	21390	4.330211	21	21440	4.331225	21
21341	4.329215	21	21391	4.330231	20	21441	4.331245	20
21342	4.329235	20	21392	4.330251	20	21442	4.331265	20
21343	4.329255	20	21393	4.330272	21	21443	4.331285	20
21344	4.329276	21	21394	4.330292	20	21444	4.331306	21
21345	4.329296	20	21395	4.330312	20	21445	4.331326	20
21346	4.329316	20	21396	4.330333	21	21446	4.331346	20
21347	4.329337	21	21397	4.330353	20	21447	4.331367	21
21348	4.329357	20	21398	4.330373	20	21448	4.331387	20
21349	4.329377	20	21399	4.330393	20	21449	4.331407	20
21350	4.329398	21	21400	4.330414	21	21450	4.331427	20

Nomb.	5. 57′ 30″ Logarith.	D.
21450	4.331427	
21451	4.331447	20
21452	4.331468	21
21453	4.331488	20
21454	4.331508	20
21455	4.331528	20
21456	4.331549	21
21457	4.331569	20
21458	4.331589	20
21459	4.331609	20
21460	4.331630	21
21461	4.331650	20
21462	4.331670	20
21463	4.331690	20
21464	4.331711	21
21465	4.331731	20
21466	4.331751	20
21467	4.331771	20
21468	4.331792	21
21469	4.331812	20
21470	4.331832	20
21471	4.331852	20
21472	4.331872	20
21473	4.331893	21
21474	4.331913	20
21475	4.331933	20
21476	4.331953	20
21477	4.331974	21
21478	4.331994	20
21479	4.332014	20
21480	4.332034	20
21481	4.332054	20
21482	4.332075	21
21483	4.332095	20
21484	4.332115	20
21485	4.332135	20
21486	4.332156	21
21487	4.332176	20
21488	4.332196	20
21489	4.332216	20
21490	4.332236	20
21491	4.332257	21
21492	4.332277	20
21493	4.332297	20
21494	4.332317	20
21495	4.332337	20
21496	4.332358	21
21497	4.332378	20
21498	4.332398	20
21499	4.332418	20
21500	4.332438	20

Nomb.	5. 58′ 20″ Logarith.	D.
21500	4.332438	
21501	4.332459	21
21502	4.332479	20
21503	4.332499	20
21504	4.332519	20
21505	4.332539	20
21506	4.332560	21
21507	4.332580	20
21508	4.332600	20
21509	4.332620	20
21510	4.332640	20
21511	4.332661	21
21512	4.332681	20
21513	4.332701	20
21514	4.332721	20
21515	4.332741	20
21516	4.332761	20
21517	4.332782	21
21518	4.332802	20
21519	4.332822	20
21520	4.332842	20
21521	4.332862	20
21522	4.332883	21
21523	4.332903	20
21524	4.332923	20
21525	4.332943	20
21526	4.332963	20
21527	4.332983	20
21528	4.333004	21
21529	4.333024	20
21530	4.333044	20
21531	4.333064	20
21532	4.333084	20
21533	4.333104	20
21534	4.333125	21
21535	4.333145	20
21536	4.333165	20
21537	4.333185	20
21538	4.333205	20
21539	4.333225	20
21540	4.333246	21
21541	4.333266	20
21542	4.333286	20
21543	4.333306	20
21544	4.333326	20
21545	4.333347	21
21546	4.333367	20
21547	4.333387	20
21548	4.333407	20
21549	4.333427	20
21550	4.333447	20

Nomb.	5. 59′ 10″ Logarith.	D
21550	4.333447	
21551	4.333467	20
21552	4.333488	21
21553	4.333508	20
21554	4.333528	20
21555	4.333548	20
21556	4.333568	20
21557	4.333588	20
21558	4.333608	20
21559	4.333629	21
21560	4.333649	20
21561	4.333669	20
21562	4.333689	20
21563	4.333709	20
21564	4.333729	20
21565	4.333749	20
21566	4.333770	21
21567	4.333790	20
21568	4.333810	20
21569	4.333830	20
21570	4.333850	20
21571	4.333870	20
21572	4.333890	20
21573	4.333910	20
21574	4.333931	21
21575	4.333951	20
21576	4.333971	20
21577	4.333991	20
21578	4.334011	20
21579	4.334031	20
21580	4.334051	20
21581	4.334072	21
21582	4.334092	20
21583	4.334112	20
21584	4.334132	20
21585	4.334152	20
21586	4.334172	20
21587	4.334192	20
21588	4.334212	20
21589	4.334232	20
21590	4.334253	21
21591	4.334273	20
21592	4.334293	20
21593	4.334313	20
21594	4.334333	20
21595	4.334353	20
21596	4.334373	20
21597	4.334393	20
21598	4.334413	21
21599	4.334434	20
21600	4.334454	

Nomb.	6. 0′ 0″ Logarith.	D.	Nomb.	6. 0′ 50″ Logarith.	D.	Nomb.	6. 1′ 40″ Logarith.	D.
21600	4.334454		21650	4.335458		21700	4.336460	
21601	4.334474	20	21651	4.335478	20	21701	4.336480	20
21602	4.334494	20	21652	4.335498	20	21702	4.336500	20
21603	4.334514	20	21653	4.335518	20	21703	4.336520	20
21604	4.334534	20	21654	4.335538	20	21704	4.336540	20
21605	4.334554	20	21655	4.335558	20	21705	4.336560	20
21606	4.334574	20	21656	4.335578	20	21706	4.336580	20
21607	4.334594	20	21657	4.335598	20	21707	4.336600	20
21608	4.334615	21	21658	4.335618	20	21708	4.336620	20
21609	4.334635	20	21659	4.335638	20	21709	4.336640	20
21610	4.334655	20	21660	4.335658	20	21710	4.336660	20
21611	4.334675	20	21661	4.335678	20	21711	4.336680	20
21612	4.334695	20	21662	4.335699	21	21712	4.336700	20
21613	4.334715	20	21663	4.335719	20	21713	4.336720	20
21614	4.334735	20	21664	4.335739	20	21714	4.336740	20
21615	4.334755	20	21665	4.335759	20	21715	4.336760	20
21616	4.334775	20	21666	4.335779	20	21716	4.336780	20
21617	4.334795	20	21667	4.335799	20	21717	4.336800	20
21618	4.334815	20	21668	4.335819	20	21718	4.336820	20
21619	4.334836	21	21669	4.335839	20	21719	4.336840	20
21620	4.334856	20	21670	4.335859	20	21720	4.336860	20
21621	4.334876	20	21671	4.335879	20	21721	4.336880	20
21622	4.334896	20	21672	4.335899	20	21722	4.336900	20
21623	4.334916	20	21673	4.335919	20	21723	4.336920	20
21624	4.334936	20	21674	4.335939	20	21724	4.336940	20
21625	4.334956	20	21675	4.335959	20	21725	4.336960	20
21626	4.334976	20	21676	4.335979	20	21726	4.336980	20
21627	4.334996	20	21677	4.335999	20	21727	4.337000	20
21628	4.335016	20	21678	4.336019	20	21728	4.337020	20
21629	4.335036	20	21679	4.336039	20	21729	4.337040	20
21630	4.335056	21	21680	4.336059	20	21730	4.337060	20
21631	4.335077	20	21681	4.336079	20	21731	4.337080	20
21632	4.335097	20	21682	4.336099	20	21732	4.337100	20
21633	4.335117	20	21683	4.336119	20	21733	4.337120	20
21634	4.335137	20	21684	4.336139	20	21734	4.337140	20
21635	4.335157	20	21685	4.336159	20	21735	4.337160	20
21636	4.335177	20	21686	4.336179	20	21736	4.337180	20
21637	4.335197	20	21687	4.336199	20	21737	4.337200	20
21638	4.335217	20	21688	4.336219	20	21738	4.337220	20
21639	4.335237	20	21689	4.336239	21	21739	4.337240	20
21640	4.335257	20	21690	4.336260	20	21740	4.337260	20
21641	4.335277	20	21691	4.336280	20	21741	4.337280	20
21642	4.335297	20	21692	4.336300	20	21742	4.337300	19
21643	4.335317	20	21693	4.336320	20	21743	4.337319	20
21644	4.335337	21	21694	4.336340	20	21744	4.337339	20
21645	4.335358	20	21695	4.336360	20	21745	4.337359	20
21646	4.335378	20	21696	4.336380	20	21746	4.337379	20
21647	4.335398	20	21697	4.336400	20	21747	4.337399	20
21648	4.335418	20	21698	4.336420	20	21748	4.337419	20
21649	4.335438	20	21699	4.336440	20	21749	4.337439	20
21650	4.335458		21700	4.336460		21750	4.337459	

TABLES

DE

LOGARITHMES

DES SINUS, COSINUS, TANGENTES ET COTANGENTES,

POUR CHAQUE MINUTE DU QUART DE CERCLE.

′	Sin. O	4·685		Tang. O	Cotang. O	Cosin. O	
0	Inf. nég.	575	575	Inf. nég.	Inf. posit.	0.000000	60
1	6.463726	575	575	6.463726	3.536274	0.000000	59
2	6.764756	575	575	6.764756	3.235244	0.000000	58
3	6.940847	575	575	6.940847	3.059153	0.000000	57
4	7.065786	575	575	7.065786	2.934214	9.999999	56
5	7.162696	575	575	7.162696	2.837304	9.999999	55
6	7.241877	575	575	7.241878	2.758122	9.999999	54
7	7.308824	575	575	7.308825	2.691175	9.999999	53
8	7.366816	575	576	7.366817	2.633183	9.999999	52
9	7.417968	574	576	7.417970	2.582030	9.999998	51
10	7.463725	574	576	7.463727	2.536273	9.999998	50
11	7.505118	574	576	7.505120	2.494880	9.999998	49
12	7.542906	574	576	7.542909	2.457091	9.999997	48
13	7.577668	574	577	7.577672	2.422328	9.999997	47
14	7.609853	574	577	7.609857	2.390143	9.999996	46
15	7.639816	574	577	7.639820	2.360180	9.999996	45
16	7.667844	573	578	7.667849	2.332151	9.999995	44
17	7.694173	573	578	7.694179	2.305821	9.999995	43
18	7.718997	573	579	7.719003	2.280997	9.999994	42
19	7.742477	573	579	7.742484	2.257516	9.999993	41
20	7.764754	573	580	7.764761	2.235239	9.999993	40
21	7.785943	572	580	7.785951	2.214049	9.999992	39
22	7.806146	572	581	7.806153	2.193845	9.999991	38
23	7.825451	572	581	7.825460	2.174540	9.999990	37
24	7.843934	571	582	7.843944	2.156056	9.999989	36
25	7.861662	571	582	7.861674	2.138326	9.999989	35
26	7.878695	571	583	7.878708	2.121292	9.999988	34
27	7.895085	570	583	7.895099	2.104901	9.999987	33
28	7.910879	570	584	7.910894	2.089106	9.999986	32
29	7.926119	570	585	7.926134	2.073866	9.999984	31
30	7.940842	569	586	7.940858	2.059142	9.999983	30
31	7.955082	569	587	7.955100	2.044900	9.999982	29
32	7.968870	568	588	7.968889	2.031111	9.999981	28
33	7.982233	568	589	7.982253	2.017747	9.999980	27
34	7.995198	568	589	7.995219	2.004781	9.999979	26
35	8.007787	567	590	8.007809	1.992191	9.999977	25
36	8.020021	567	591	8.020044	1.979956	9.999976	24
37	8.031919	566	592	8.031945	1.968055	9.999975	23
38	8.043501	566	593	8.043527	1.956473	9.999973	22
39	8.054781	566	594	8.054809	1.945191	9.999972	21
40	8.065776	565	595	8.065806	1.934194	9.999971	20
41	8.076500	565	596	8.076531	1.923469	9.999969	19
42	8.086965	564	597	8.086997	1.913003	9.999968	18
43	8.097183	564	598	8.097217	1.902783	9.999966	17
44	8.107167	563	599	8.107203	1.892797	9.999964	16
45	8.116926	562	600	8.116963	1.883037	9.999963	15
46	8.126471	562	601	8.126510	1.873490	9.999961	14
47	8.135810	561	602	8.135851	1.864149	9.999959	13
48	8.144953	561	603	8.144996	1.855004	9.999958	12
49	8.153907	560	604	8.153952	1.846048	9.999956	11
50	8.162681	559	605	8.162727	1.837273	9.999954	10
51	8.171280	559	606	8.171328	1.828672	9.999952	9
52	8.179713	558	608	8.179763	1.820237	9.999950	8
53	8.187985	558	609	8.188036	1.811964	9.999948	7
54	8.196102	557	610	8.196156	1.803844	9.999946	6
55	8.204070	556	611	8.204126	1.795874	9.999944	5
56	8.211895	556	613	8.211953	1.788047	9.999942	4
57	8.219581	555	614	8.219641	1.780359	9.999940	3
58	8.227133	554	616	8.227195	1.772805	9.999938	2
59	8.234557	553	617	8.234621	1.765379	9.999936	1
60	8.241855	553	619	8.241921	1.758079	9.999934	0
	Cosin. 89			Cotang. 89	Tang. 89	Sin. 89	′

′	Sin. I	4·685		Tang. I	Cotang. I	Cosin. I	
0	8.241855	553	619	8.241921	1.758079	9.999934	60
1	8.249033	552	620	8.249102	1.750898	9.999932	59
2	8.256094	551	622	8.256165	1.743835	9.999929	58
3	8.263042	550	623	8.263115	1.736885	9.999927	57
4	8.269881	550	625	8.269956	1.730044	9.999925	56
5	8.276614	549	626	8.276691	1.723309	9.999922	55
6	8.283243	548	628	8.283323	1.716677	9.999920	54
7	8.289773	547	630	8.289856	1.710144	9.999918	53
8	8.296207	546	631	8.296292	1.703708	9.999915	52
9	8.302546	546	633	8.302634	1.697366	9.999913	51
10	8.308794	545	635	8.308884	1.691116	9.999910	50
11	8.314954	544	636	8.315046	1.684954	9.999907	49
12	8.321027	543	638	8.321122	1.678878	9.999905	48
13	8.327016	542	640	8.327114	1.672886	9.999902	47
14	8.332924	541	641	8.333025	1.666975	9.999899	46
15	8.338753	540	643	8.338856	1.661144	9.999897	45
16	8.344504	539	645	8.344610	1.655390	9.999894	44
17	8.350181	539	647	8.350289	1.649711	9.999891	43
18	8.355783	538	649	8.355895	1.644105	9.999888	42
19	8.361315	537	651	8.361430	1.638570	9.999885	41
20	8.366777	536	653	8.366895	1.633105	9.999882	40
21	8.372171	535	655	8.372292	1.627708	9.999879	39
22	8.377499	534	657	8.377622	1.622378	9.999876	38
23	8.382762	533	659	8.382889	1.617111	9.999873	37
24	8.387962	532	661	8.388092	1.611908	9.999870	36
25	8.393101	531	663	8.393234	1.606766	9.999867	35
26	8.398179	530	665	8.398315	1.601685	9.999864	34
27	8.403199	528	667	8.403338	1.596662	9.999861	33
28	8.408161	527	669	8.408304	1.591696	9.999858	32
29	8.413068	526	671	8.413213	1.586787	9.999854	31
30	8.417919	525	673	8.418068	1.581932	9.999851	30
31	8.422717	524	675	8.422869	1.577131	9.999848	29
32	8.427462	523	677	8.427618	1.572382	9.999844	28
33	8.432156	522	679	8.432315	1.567685	9.999841	27
34	8.436800	521	681	8.436962	1.563038	9.999838	26
35	8.441394	520	684	8.441560	1.558440	9.999834	25
36	8.445941	518	686	8.446110	1.553890	9.999831	24
37	8.450440	517	689	8.450613	1.549387	9.999827	23
38	8.454893	516	692	8.455070	1.544930	9.999824	22
39	8.459301	515	694	8.459481	1.540519	9.999820	21
40	8.463665	514	697	8.463849	1.536151	9.999816	20
41	8.467985	512	700	8.468172	1.531828	9.999813	19
42	8.472263	511	702	8.472454	1.527546	9.999809	18
43	8.476498	510	705	8.476693	1.523307	9.999805	17
44	8.480693	509	707	8.480892	1.519108	9.999801	16
45	8.484848	507	710	8.485050	1.514950	9.999797	15
46	8.488963	506	712	8.489170	1.510830	9.999794	14
47	8.493040	505	715	8.493250	1.506750	9.999790	13
48	8.497078	504	717	8.497293	1.502707	9.999786	12
49	8.501080	502	720	8.501298	1.498702	9.999782	11
50	8.505045	501	723	8.505267	1.494733	9.999778	10
51	8.508974	500	725	8.509200	1.490800	9.999774	9
52	8.512867	498	728	8.513098	1.486902	9.999769	8
53	8.516726	497	731	8.516961	1.483039	9.999765	7
54	8.520551	495	733	8.520790	1.479210	9.999761	6
55	8.524343	494	736	8.524586	1.475414	9.999757	5
56	8.528102	493	739	8.528349	1.471651	9.999753	4
57	8.531828	491	742	8.532080	1.467920	9.999748	3
58	8.535523	490	745	8.535779	1.464221	9.999744	2
59	8.539186	488	748	8.539447	1.460553	9.999740	1
60	8.542819	487	751	8.543084	1.456916	9.999735	0
	Cosin. 88			Cotang. 88	Tang. 88	Sin. 88	′

′	Sin. 2	4.685		Tang. 2	Cotang. 2	Cosin. 2	
0	8.542819	487	751	8.543084	1.456916	9.999735	60
1	8.546422	485	754	8.546691	1.453309	9.999731	59
2	8.549995	484	757	8.550268	1.449732	9.999726	58
3	8.553539	482	760	8.553817	1.446183	9.999722	57
4	8.557054	481	763	8.557336	1.442664	9.999717	56
5	8.560540	479	766	8.560828	1.439172	9.999713	55
6	8.563999	478	769	8.564291	1.435709	9.999708	54
7	8.567431	476	772	8.567727	1.432273	9.999704	53
8	8.570836	475	776	8.571137	1.428863	9.999699	52
9	8.574214	473	779	8.574520	1.425480	9.999694	51
10	8.577566	471	782	8.577877	1.422123	9.999689	50
11	8.580892	470	785	8.581208	1.418792	9.999685	49
12	8.584193	468	788	8.584514	1.415486	9.999680	48
13	8.587469	466	792	8.587795	1.412205	9.999675	47
14	8.590721	465	795	8.591051	1.408949	9.999670	46
15	8.593948	463	798	8.594283	1.405717	9.999665	45
16	8.597152	461	802	8.597492	1.402508	9.999660	44
17	8.600332	460	805	8.600677	1.399323	9.999655	43
18	8.603489	458	808	8.603839	1.396161	9.999650	42
19	8.606623	456	812	8.606978	1.393022	9.999645	41
20	8.609734	455	815	8.610094	1.389906	9.999640	40
21	8.612823	453	819	8.613189	1.386811	9.999635	39
22	8.615891	451	822	8.616262	1.383738	9.999629	38
23	8.618937	450	826	8.619313	1.380687	9.999624	37
24	8.621962	448	829	8.622343	1.377657	9.999619	36
25	8.624965	446	832	8.625352	1.374648	9.999614	35
26	8.627948	444	835	8.628340	1.371660	9.999608	34
27	8.630911	442	839	8.631308	1.368692	9.999603	33
28	8.633854	441	843	8.634256	1.365744	9.999597	32
29	8.636776	439	847	8.637184	1.362816	9.999592	31
30	8.639680	437	851	8.640093	1.359907	9.999586	30
31	8.642563	435	854	8.642982	1.357018	9.999581	29
32	8.645428	434	858	8.645853	1.354147	9.999575	28
33	8.648274	432	862	8.648704	1.351296	9.999570	27
34	8.651102	430	866	8.651537	1.348463	9.999564	26
35	8.653911	428	869	8.654352	1.345648	9.999558	25
36	8.656702	426	873	8.657149	1.342851	9.999553	24
37	8.659475	424	877	8.659928	1.340072	9.999547	23
38	8.662230	422	881	8.662689	1.337311	9.999541	22
39	8.664968	420	885	8.665433	1.334567	9.999535	21
40	8.667689	418	889	8.668160	1.331840	9.999529	20
41	8.670393	416	892	8.670870	1.329130	9.999524	19
42	8.673080	414	896	8.673563	1.326437	9.999518	18
43	8.675751	412	900	8.676239	1.323761	9.999512	17
44	8.678405	410	904	8.678900	1.321100	9.999506	16
45	8.681043	408	908	8.681544	1.318456	9.999500	15
46	8.683665	406	912	8.684172	1.315828	9.999493	14
47	8.686272	404	916	8.686784	1.313216	9.999487	13
48	8.688863	402	920	8.689381	1.310619	9.999481	12
49	8.691438	400	925	8.691963	1.308037	9.999475	11
50	8.693998	398	929	8.694529	1.305471	9.999469	10
51	8.696543	396	933	8.697081	1.302919	9.999463	9
52	8.699073	394	937	8.699617	1.300383	9.999456	8
53	8.701589	392	942	8.702139	1.297861	9.999450	7
54	8.704090	390	946	8.704646	1.295354	9.999443	6
55	8.706577	387	950	8.707140	1.292860	9.999437	5
56	8.709049	385	955	8.709618	1.290382	9.999431	4
57	8.711507	383	959	8.712083	1.287917	9.999424	3
58	8.713952	381	963	8.714534	1.285465	9.999418	2
59	8.716383	379	968	8.716972	1.283028	9.999411	1
60	8.718800	376	972	8.719396	1.280604	9.999404	0
	Cosin. 87			Cotang. 87	Tang. 87	Sin. 87	′

′	Sin. 3	1″	Tang. 3	1″	Cotang. 3	Cosin. 3	1″	
0	8.718800		8.719396		1.280604	9.999404		60
1	8.721204		8.721806		1.278194	9.999398		59
2	8.723595		8.724204		1.275796	9.999391		58
3	8.725972	39.63	8.726588	39.74	1.273412	9.999384	00.11	57
4	8.728337		8.728959		1.271041	9.999378		56
5	8.730688		8.731317		1.268683	9.999371		55
6	8.733027		8.733663		1.266337	9.999364		54
7	8.735354		8.735996		1.264004	9.999357		53
8	8.737667	38.57	8.738317	38.68	1.261683	9.999350	00.12	52
9	8.739969		8.740626		1.259374	9.999343		51
10	8.742259		8.742922		1.257078	9.999336		50
11	8.744536		8.745207		1.254793	9.999329		49
12	8.746802		8.747479		1.252521	9.999322		48
13	8.749055	37.56	8.749740	37.68	1.250260	9.999315		47
14	8.751297		8.751989		1.248011	9.999308		46
15	8.753528		8.754227		1.245773	9.999301		45
16	8.755747		8.756453		1.243547	9.999294		44
17	8.757955		8.758668		1.241332	9.999287		43
18	8.760151	36.61	8.760872	36.73	1.239128	9.999279		42
19	8.762337		8.763065		1.236935	9.999272		41
20	8.764511		8.765246		1.234754	9.999265		40
21	8.766675		8.767417		1.232583	9.999257		39
22	8.768828	35.71	8.769578	35.83	1.230422	9.999250		38
23	8.770970		8.771727		1.228273	9.999242	00.13	37
24	8.773101		8.773866		1.226134	9.999235		36
25	8.775223		8.775995		1.224005	9.999227		35
26	8.777333		8.778114		1.221886	9.999220		34
27	8.779434		8.780222		1.219778	9.999212		33
28	8.781524	34.84	8.782320	34.97	1.217680	9.999205		32
29	8.783605		8.784408		1.215592	9.999197		31
30	8.785675		8.786486		1.213514	9.999189		30
31	8.787736		8.788554		1.211446	9.999181		29
32	8.789787		8.790613		1.209387	9.999174		28
33	8.791828	34.02	8.792662	34.15	1.207338	9.999166		27
34	8.793859		8.794701		1.205299	9.999158		26
35	8.795881		8.796731		1.203269	9.999150		25
36	8.797894		8.798752		1.201248	9.999142		24
37	8.799897		8.800763		1.199237	9.999134		23
38	8.801892	33.24	8.802765	33.34	1.197235	9.999126		22
39	8.803876		8.804758		1.195242	9.999118		21
40	8.805852		8.806742		1.193258	9.999110		20
41	8.807819		8.808717		1.191283	9.999102		19
42	8.809777		8.810683		1.189317	9.999094		18
43	8.811726	32.49	8.812641	32.62	1.187359	9.999086	00.14	17
44	8.813667		8.814589		1.185411	9.999077		16
45	8.815599		8.816529		1.183471	9.999069		15
46	8.817522		8.818461		1.181539	9.999061		14
47	8.819436		8.820384		1.179616	9.999053		13
48	8.821343	31.77	8.822298	31.91	1.177702	9.999044		12
49	8.823240		8.824205		1.175795	9.999036		11
50	8.825130		8.826103		1.173897	9.999027		10
51	8.827011		8.827992		1.172008	9.999019		9
52	8.828884	31.09	8.829874	31.23	1.170126	9.999010		8
53	8.830749		8.831748		1.168252	9.999002		7
54	8.832607		8.833613		1.166387	9.998993		6
55	8.834456		8.835471		1.164529	9.998984		5
56	8.836297		8.837321		1.162679	9.998976		4
57	8.838130		8.839163		1.160837	9.998967		3
58	8.839956	30.43	8.840998	30.58	1.159002	9.998958		2
59	8.841774		8.842825		1.157175	9.998950		1
60	8.843585		8.844644		1.155356	9.998941		0
	Cosin. 86		Cotang. 86		Tang. 86	Sin. 86		′

′	Sin. 4	1″	Tang. 4	1″	Cotang. 4	Cosin. 4	1″	′
0	8.843585		8.844644		1.155356	9.998941		60
1	8.845387		8.846455	29.95	1.153545	9.998932		59
2	8.847183	29.80	8.848260		1.151740	9.998923		58
3	8.848971		8.850057		1.149943	9.998914		57
4	8.850751		8.851846		1.148154	9.998905	00.15	56
5	8.852525		8.853628		1.146372	9.998896		55
6	8.854291	29.19	8.855403	29.35	1.144597	9.998887		54
7	8.856049		8.857171		1.142829	9.998878		53
8	8.857801		8.858932		1.141068	9.998869		52
9	8.859546		8.860686		1.139314	9.998860		51
10	8.861283		8.862433		1.137567	9.998851		50
11	8.863014	28.62	8.864173	28.77	1.135827	9.998841		49
12	8.864738		8.865906		1.134094	9.998832		48
13	8.866455		8.867632		1.132368	9.998823		47
14	8.868165		8.869351		1.130649	9.998813		46
15	8.869868		8.871064		1.128936	9.998804		45
16	8.871565	28.06	8.872770	28.22	1.127230	9.998795	00.16	44
17	8.873256		8.874469		1.125531	9.998785		43
18	8.874938		8.876162		1.123838	9.998776		42
19	8.876615		8.877849		1.122151	9.998766		41
20	8.878285		8.879529		1.120471	9.998757		40
21	8.879949	27.52	8.881202	27.68	1.118798	9.998747		39
22	8.881607		8.882869		1.117131	9.998738		38
23	8.883258		8.884530		1.115470	9.998728		37
24	8.884903		8.886185		1.113815	9.998718		36
25	8.886542		8.887833		1.112167	9.998708		35
26	8.888174	27.00	8.889476	27.17	1.110524	9.998699		34
27	8.889801		8.891112		1.108888	9.998689		33
28	8.891421		8.892742		1.107258	9.998679		32
29	8.893035		8.894366		1.105634	9.998669		31
30	8.894643		8.895984		1.104016	9.998659		30
31	8.896246	26.51	8.897596	26.68	1.102404	9.998649	00.17	29
32	8.897842		8.899203		1.100797	9.998639		28
33	8.899432		8.900803		1.099197	9.998629		27
34	8.901017		8.902398		1.097602	9.998619		26
35	8.902596		8.903987		1.096013	9.998609		25
36	8.904169	26.03	8.905570	26.20	1.094430	9.998599		24
37	8.905736		8.907147		1.092853	9.998589		23
38	8.907297		8.908719		1.091281	9.998578		22
39	8.908853		8.910285		1.089715	9.998568		21
40	8.910404		8.911846		1.088154	9.998558		20
41	8.911949	25.56	8.913401	25.74	1.086599	9.998548		19
42	8.913488		8.914951		1.085049	9.998537		18
43	8.915022		8.916495		1.083505	9.998527		17
44	8.916550		8.918034		1.081966	9.998516		16
45	8.918073		8.919568		1.080432	9.998506		15
46	8.919591	25.12	8.921096	25.29	1.078904	9.998495		14
47	8.921103		8.922619		1.077381	9.998485		13
48	8.922610		8.924136		1.075864	9.998474	00.18	12
49	8.924112		8.925649		1.074351	9.998464		11
50	8.925609		8.927156		1.072844	9.998453		10
51	8.927100	24.69	8.928658	24.87	1.071342	9.998442		9
52	8.928587		8.930155		1.069845	9.998431		8
53	8.930068		8.931647		1.068353	9.998421		7
54	8.931544		8.933134		1.066866	9.998410		6
55	8.933015		8.934616		1.065384	9.998399		5
56	8.934481		8.936093		1.063907	9.998388		4
57	8.935942	24.27	8.937565	24.45	1.062435	9.998377		3
58	8.937398		8.939032		1.060968	9.998366		2
59	8.938850		8.940494		1.059506	9.998355		1
60	8.940296		8.941952		1.058048	9.998344		0
	Cosin. 85		Cotang. 85		Tang. 85	Sin. 85		′

′	Sin. 5	1″	Tang. 5	1″	Cotang. 5	Cosin. 5	1″	
0	8.940296		8.941952		1.058048	9.998344		60
1	8.941738		8.943404		1.056596	9.998333		59
2	8.943174		8.944852		1.055148	9.998322		58
3	8.944606		8.946295		1.053705	9.998311		57
4	8.946034		8.947734		1.052266	9.998300		56
5	8.947456		8.949168		1.050832	9.998289		55
6	8.948874		8.950597		1.049403	9.998277		54
7	8.950287		8.952021		1.047979	9.998266		53
8	8.951696		8.953441		1.046559	9.998255		52
9	8.953100		8.954856		1.045144	9.998243		51
10	8.954499		8.956267		1.043733	9.998232		50
11	8.955894		8.957674		1.042326	9.998220		49
12	8.957284		8.959075		1.040925	9.998209		48
13	8.958670		8.960473		1.039527	9.998197		47
14	8.960052		8.961866		1.038134	9.998186		46
15	8.961429		8.963255		1.036745	9.998174		45
16	8.962801		8.964639		1.035361	9.998163		44
17	8.964170		8.966019		1.033981	9.998151		43
18	8.965534		8.967394		1.032606	9.998139		42
19	8.966893		8.968766		1.031234	9.998128		41
20	8.968249		8.970133		1.029867	9.998116		40
21	8.969600		8.971496		1.028504	9.998104		39
22	8.970947		8.972855		1.027145	9.998092		38
23	8.972289		8.974209		1.025791	9.998080		37
24	8.973628		8.975560		1.024440	9.998068		36
25	8.974962		8.976906		1.023094	9.998056		35
26	8.976293		8.978248		1.021752	9.998044		34
27	8.977619		8.979586		1.020414	9.998032		33
28	8.978941		8.980921		1.019079	9.998020		32
29	8.980259		8.982251		1.017749	9.998008		31
30	8.981573		8.983577		1.016423	9.997996		30
31	8.982883		8.984899		1.015101	9.997984		29
32	8.984189		8.986217		1.013783	9.997972		28
33	8.985491		8.987532		1.012468	9.997959		27
34	8.986789		8.988842		1.011158	9.997947		26
35	8.988083		8.990149		1.009851	9.997935		25
36	8.989374		8.991451		1.008549	9.997922		24
37	8.990660		8.992750		1.007250	9.997910		23
38	8.991943		8.994045		1.005955	9.997897		22
39	8.993222		8.995337		1.004663	9.997885		21
40	8.994497		8.996624		1.003376	9.997872		20
41	8.995768		8.997908		1.002092	9.997860		19
42	8.997036		8.999188		1.000812	9.997847		18
43	8.998299		9.000465		0.999535	9.997835		17
44	8.999560		9.001738		0.998262	9.997822		16
45	9.000816		9.003007		0.996993	9.997809		15
46	9.002069		9.004272		0.995728	9.997797		14
47	9.003318		9.005534		0.994466	9.997784		13
48	9.004563		9.006792		0.993208	9.997771		12
49	9.005805		9.008047		0.991953	9.997758		11
50	9.007044		9.009298		0.990702	9.997745		10
51	9.008278		9.010546		0.989454	9.997732		9
52	9.009510		9.011790		0.988210	9.997719		8
53	9.010737		9.013031		0.986969	9.997706		7
54	9.011962		9.014268		0.985732	9.997693		6
55	9.013182		9.015502		0.984498	9.997680		5
56	9.014400		9.016732		0.983268	9.997667		4
57	9.015613		9.017959		0.982041	9.997654		3
58	9.016824		9.019183		0.980817	9.997641		2
59	9.018031		9.020403		0.979597	9.997628		1
60	9.019235		9.021620		0.978380	9.997614		0
	Cosin. 84		Cotang. 84		Tang. 84	Sin. 84		′

		23.87		24.05			00.18	
		23.48		23.66			00.19	
		23.10		23.29				
		22.73		22.93				
		22.38		22.58			00.20	
		22.04		22.24				
		21.70		21.91				
		21.38		21.58			00.21	
		21.06		21.28				
		20.76		20.97				
		20.46		20.68			00.22	
		20.18		20.39				

′	Sin. 6	1″	Tang. 6	1″	Cotang. 6	Cosin. 6	1″	′
0	9.019235		9.021620		0.978380	9.997614		60
1	9.020435	19.89	9.022834	20.12	0.977166	9.997601	00.22	59
2	9.021632		9.024044		0.975956	9.997588		58
3	9.022825		9.025251		0.974749	9.997574		57
4	9.024016		9.026455		0.973545	9.997561		56
5	9.025203		9.027655		0.972345	9.997547		55
6	9.026386	19.62	9.028852	19.85	0.971148	9.997534		54
7	9.027567		9.030046		0.969954	9.997520		53
8	9.028744		9.031237		0.968763	9.997507		52
9	9.029918		9.032425		0.967575	9.997493		51
10	9.031089		9.033609		0.966391	9.997480		50
11	9.032257	19.36	9.034791	19.59	0.965209	9.997466	00.23	49
12	9.033421		9.035969		0.964031	9.997452		48
13	9.034582		9.037144		0.962856	9.997439		47
14	9.035741		9.038316		0.961684	9.997425		46
15	9.036896		9.039485		0.960515	9.997411		45
16	9.038048	19.10	9.040651	19.33	0.959349	9.997397		44
17	9.039197		9.041813		0.958187	9.997383		43
18	9.040342		9.042973		0.957027	9.997369		42
19	9.041485		9.044130		0.955870	9.997355		41
20	9.042625		9.045284		0.954716	9.997341		40
21	9.043762	18.85	9.046434	19.08	0.953566	9.997327		39
22	9.044895		9.047582		0.952418	9.997313		38
23	9.046026		9.048727		0.951273	9.997299		37
24	9.047154		9.049869		0.950131	9.997285		36
25	9.048279		9.051008		0.948992	9.997271		35
26	9.049400	18.60	9.052144	18.84	0.947856	9.997257	00.24	34
27	9.050519		9.053277		0.946723	9.997242		33
28	9.051635		9.054407		0.945593	9.997228		32
29	9.052749		9.055535		0.944465	9.997214		31
30	9.053859		9.056659		0.943341	9.997199		30
31	9.054966	18.36	9.057781	18.60	0.942219	9.997185		29
32	9.056071		9.058900		0.941100	9.997170		28
33	9.057172		9.060016		0.939984	9.997156		27
34	9.058271		9.061130		0.938870	9.997141		26
35	9.059367		9.062240		0.937760	9.997127		25
36	9.060460	18.13	9.063348	18.37	0.936652	9.997112		24
37	9.061551		9.064453		0.935547	9.997098		23
38	9.062639		9.065556		0.934444	9.997083		22
39	9.063724		9.066655		0.933345	9.997068		21
40	9.064806		9.067752		0.932248	9.997053		20
41	9.065885	17.90	9.068846	18.15	0.931154	9.997039		19
42	9.066962		9.069938		0.930062	9.997024		18
43	9.068036		9.071027		0.928973	9.997009		17
44	9.069107		9.072113		0.927887	9.996994		16
45	9.070176		9.073197		0.926803	9.996979		15
46	9.071242	17.68	9.074278	17.93	0.925722	9.996964	00.25	14
47	9.072306		9.075356		0.924644	9.996949		13
48	9.073366		9.076432		0.923568	9.996934		12
49	9.074424		9.077505		0.922495	9.996919		11
50	9.075480		9.078576		0.921424	9.996904		10
51	9.076533	17.46	9.079644	17.72	0.920356	9.996889		9
52	9.077583		9.080710		0.919290	9.996874		8
53	9.078631		9.081773		0.918227	9.996858		7
54	9.079676		9.082833		0.917167	9.996843		6
55	9.080719		9.083891		0.916109	9.996828		5
56	9.081759	17.25	9.084947	17.51	0.915053	9.996812		4
57	9.082797		9.086000		0.914000	9.996797	00.26	3
58	9.083832		9.087050		0.912950	9.996782		2
59	9.084864		9.088098		0.911902	9.996766		1
60	9.085894		9.089144		0.910856	9.996751		0
′	Cosin. 83		Cotang. 83		Tang. 83	Sin. 83		′

′	Sin. 7	1″	Tang. 7	1″	Cotang. 7	Cosin. 7	1″	′
0	9.085894		9.089144		0.910856	9.996751		60
1	9.086922		9.090187		0.909813	9.996735		59
2	9.087947	17.05	9.091228	17.31	0.908772	9.996720	00.26	58
3	9.088970		9.092266		0.907734	9.996704		57
4	9.089990		9.093302		0.906698	9.996688		56
5	9.091008		9.094336		0.905664	9.996673		55
6	9.092024		9.095367		0.904633	9.996657		54
7	9.093037	16.85	9.096395	17.11	0.903605	9.996641		53
8	9.094047		9.097422		0.902578	9.996625		52
9	9.095056		9.098446		0.901554	9.996610		51
10	9.096062		9.099468		0.900532	9.996594		50
11	9.097065		9.100487		0.899513	9.996578		49
12	9.098066	16.65	9.101504	16.91	0.898496	9.996562	00.27	48
13	9.099065		9.102519		0.897481	9.996546		47
14	9.100062		9.103532		0.896468	9.996530		46
15	9.101056		9.104542		0.895458	9.996514		45
16	9.102048		9.105550		0.894450	9.996498		44
17	9.103037	16.45	9.106556	16.72	0.893444	9.996482		43
18	9.104025		9.107559		0.892441	9.996465		42
19	9.105010		9.108560		0.891440	9.996449		41
20	9.105992		9.109559		0.890441	9.996433		40
21	9.106973		9.110556		0.889444	9.996417		39
22	9.107951	16.27	9.111551	16.54	0.888449	9.996400		38
23	9.108927		9.112543		0.887457	9.996384		37
24	9.109901		9.113533		0.886467	9.996368		36
25	9.110873		9.114521		0.885479	9.996351		35
26	9.111842		9.115507		0.884493	9.996335		34
27	9.112809	16.08	9.116491	16.36	0.883509	9.996318		33
28	9.113774		9.117472		0.882528	9.996302		32
29	9.114737		9.118452		0.881548	9.996285		31
30	9.115698		9.119429		0.880571	9.996269		30
31	9.116656		9.120404		0.879596	9.996252		29
32	9.117613	15.90	9.121377	16.18	0.878623	9.996235	00.28	28
33	9.118567		9.122348		0.877652	9.996219		27
34	9.119519		9.123317		0.876683	9.996202		26
35	9.120469		9.124284		0.875716	9.996185		25
36	9.121417		9.125249		0.874751	9.996168		24
37	9.122362	15.73	9.126211	16.01	0.873789	9.996151		23
38	9.123306		9.127172		0.872828	9.996134		22
39	9.124248		9.128130		0.871870	9.996117		21
40	9.125187		9.129087		0.870913	9.996100		20
41	9.126125		9.130041		0.869959	9.996083		19
42	9.127060	15.56	9.130994	15.84	0.869006	9.996066		18
43	9.127993		9.131944		0.868056	9.996049		17
44	9.128925		9.132893		0.867107	9.996032		16
45	9.129854		9.133839		0.866161	9.996015		15
46	9.130781		9.134784		0.865216	9.995998		14
47	9.131706	15.39	9.135726	15.68	0.864274	9.995980	00.29	13
48	9.132630		9.136667		0.863333	9.995963		12
49	9.133551		9.137605		0.862395	9.995946		11
50	9.134470		9.138542		0.861458	9.995928		10
51	9.135387		9.139476		0.860524	9.995911		9
52	9.136303	15.22	9.140409	15.51	0.859591	9.995894		8
53	9.137216		9.141340		0.858660	9.995876		7
54	9.138128		9.142269		0.857731	9.995859		6
55	9.139037		9.143196		0.856804	9.995841		5
56	9.139944		9.144121		0.855879	9.995823		4
57	9.140850	15.06	9.145044	15.36	0.854956	9.995806		3
58	9.141754		9.145966		0.854034	9.995788		2
59	9.142655		9.146885		0.853115	9.995771		1
60	9.143555		9.147803		0.852197	9.995753		0
	Cosin. 82		Cotang. 82		Tang. 82	Sin. 82		′

′	Sin. 8	1″	Tang. 8	1″	Cotang. 8	Cosin. 8	1″	
0	9.143555		9.147803		0.852197	9.995753		60
1	9.144453		9.148718	15.20	0.851282	9.995735	00.30	59
2	9.145349		9.149632		0.850368	9.995717		58
3	9.146243	13.90	9.150544		0.849456	9.995699		57
4	9.147136		9.151454		0.848546	9.995681		56
5	9.148026		9.152363		0.847637	9.995664		55
6	9.148915		9.153269	15.05	0.846731	9.995646		54
7	9.149802	13.75	9.154174		0.845826	9.995628		53
8	9.150686		9.155077		0.844923	9.995610		52
9	9.151569		9.155978		0.844022	9.995591		51
10	9.152451		9.156877		0.843123	9.995573		50
11	9.153330		9.157775	14.90	0.842225	9.995555		49
12	9.154208		9.158671		0.841329	9.995537		48
13	9.155083	14.60	9.159565		0.840435	9.995519		47
14	9.155957		9.160457		0.839543	9.995501		46
15	9.156830		9.161347		0.838653	9.995482		45
16	9.157700		9.162236	14.76	0.837764	9.995464	00.31	44
17	9.158569		9.163123		0.836877	9.995446		43
18	9.159435	14.45	9.164008		0.835992	9.995427		42
19	9.160301		9.164892		0.835108	9.995409		41
20	9.161164		9.165774		0.834226	9.995390		40
21	9.162025		9.166654	14.61	0.833346	9.995372		39
22	9.162885		9.167532		0.832468	9.995353		38
23	9.163743	14.30	9.168409		0.831591	9.995334		37
24	9.164600		9.169284		0.830716	9.995316		36
25	9.165454		9.170157		0.829843	9.995297		35
26	9.166307		9.171029	14.47	0.828971	9.995278		34
27	9.167159		9.171899		0.828101	9.995260		33
28	9.168008	14.16	9.172767		0.827233	9.995241		32
29	9.168856		9.173634		0.826366	9.995222		31
30	9.169702		9.174499		0.825501	9.995203		30
31	9.170547		9.175362	14.33	0.824638	9.995184	00.32	29
32	9.171389		9.176224		0.823776	9.995165		28
33	9.172230	14.02	9.177084		0.822916	9.995146		27
34	9.173070		9.177942		0.822058	9.995127		26
35	9.173908		9.178799		0.821201	9.995108		25
36	9.174744		9.179655	14.20	0.820345	9.995089		24
37	9.175578		9.180508		0.819492	9.995070		23
38	9.176411	13.88	9.181360		0.818640	9.995051		22
39	9.177242		9.182211		0.817789	9.995032		21
40	9.178072		9.183059		0.816941	9.995013		20
41	9.178900		9.183907	14.07	0.816093	9.994993		19
42	9.179726		9.184752		0.815248	9.994974		18
43	9.180551	13.75	9.185597		0.814403	9.994955		17
44	9.181374		9.186439		0.813561	9.994935		16
45	9.182196		9.187280		0.812720	9.994916		15
46	9.183016		9.188120	13.94	0.811880	9.994896	00.33	14
47	9.183834		9.188958		0.811042	9.994877		13
48	9.184651	13.61	9.189794		0.810206	9.994857		12
49	9.185466		9.190629		0.809371	9.994838		11
50	9.186280		9.191462		0.808538	9.994818		10
51	9.187092		9.192294	13.81	0.807706	9.994798		9
52	9.187903		9.193124		0.806876	9.994779		8
53	9.188712	13.48	9.193953		0.806047	9.994759		7
54	9.189519		9.194780		0.805220	9.994739		6
55	9.190325		9.195606		0.804394	9.994719		5
56	9.191130		9.196430	13.69	0.803570	9.994700		4
57	9.191933		9.197253		0.802747	9.994680		3
58	9.192734		9.198074		0.801926	9.994660		2
59	9.193534		9.198894		0.801106	9.994640		1
60	9.194332	13.36	9.199713		0.800287	9.994620		0
′	Cosin. 81		Cotang. 81		Tang. 81	Sin. 81		′

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′	Sin. 9	1″	Tang. 9	1″	Cotang. 9	Cosin. 9	1″	
0	9.194332		9.199713		0.800287	9.994620		60
1	9.195129	13.23	9.200529	13.56	0.799471	9.994600	00.34	59
2	9.195925		9.201345		0.798655	9.994580		58
3	9.196719		9.202159		0.797841	9.994560		57
4	9.197511		9.202971		0.797029	9.994540		56
5	9.198302		9.203782		0.796218	9.994519		55
6	9.199091	13.11	9.204592	13.45	0.795408	9.994499		54
7	9.199879		9.205400		0.794600	9.994479		53
8	9.200666		9.206207		0.793793	9.994459		52
9	9.201451		9.207013		0.792987	9.994438		51
10	9.202234		9.207817		0.792183	9.994418		50
11	9.203017	12.99	9.208619	13.33	0.791381	9.994398		49
12	9.203797		9.209420		0.790580	9.994377		48
13	9.204577		9.210220		0.789780	9.994357		47
14	9.205354		9.211018		0.788982	9.994336		46
15	9.206131		9.211815		0.788185	9.994316		45
16	9.206906	12.87	9.212611	13.22	0.787389	9.994295		44
17	9.207679		9.213405		0.786595	9.994274		43
18	9.208452		9.214198		0.785802	9.994254		42
19	9.209222		9.214989		0.785011	9.994233		41
20	9.209992		9.215780		0.784220	9.994212		40
21	9.210760	12.75	9.216568	13.10	0.783432	9.994191		39
22	9.211526		9.217356		0.782644	9.994171		38
23	9.212291		9.218142		0.781858	9.994150		37
24	9.213055		9.218926		0.781074	9.994129		36
25	9.213818		9.219710		0.780290	9.994108		35
26	9.214579	12.64	9.220492	12.99	0.779508	9.994087	00.35	34
27	9.215338		9.221272		0.778728	9.994066		33
28	9.216097		9.222052		0.777948	9.994045		32
29	9.216854		9.222830		0.777170	9.994024		31
30	9.217609		9.223607		0.776393	9.994003		30
31	9.218363	12.53	9.224382	12.88	0.775618	9.993982		29
32	9.219116		9.225156		0.774844	9.993960		28
33	9.219868		9.225929		0.774071	9.993939		27
34	9.220618		9.226700		0.773300	9.993918		26
35	9.221367		9.227471		0.772529	9.993897		25
36	9.222115	12.42	9.228239	12.77	0.771761	9.993875	00.36	24
37	9.222861		9.229007		0.770993	9.993854		23
38	9.223606		9.229773		0.770227	9.993832		22
39	9.224349		9.230539		0.769461	9.993811		21
40	9.225092		9.231302		0.768698	9.993789		20
41	9.225833	12.31	9.232065	12.67	0.767935	9.993768		19
42	9.226573		9.232826		0.767174	9.993746		18
43	9.227311		9.233586		0.766414	9.993725		17
44	9.228048		9.234345		0.765655	9.993703		16
45	9.228784		9.235103		0.764897	9.993681		15
46	9.229518	12.20	9.235859	12.56	0.764141	9.993660		14
47	9.230252		9.236614		0.763386	9.993638		13
48	9.230984		9.237368		0.762632	9.993616		12
49	9.231715		9.238120		0.761880	9.993594		11
50	9.232444		9.238872		0.761128	9.993572		10
51	9.233172	12.10	9.239622	12.46	0.760378	9.993550	00.37	9
52	9.233899		9.240371		0.759629	9.993528		8
53	9.234625		9.241118		0.758882	9.993506		7
54	9.235349		9.241865		0.758135	9.993484		6
55	9.236073		9.242610		0.757390	9.993462		5
56	9.236795	11.99	9.243354	12.36	0.756646	9.993440		4
57	9.237515		9.244097		0.755903	9.993418		3
58	9.238235		9.244839		0.755161	9.993396		2
59	9.238953		9.245579		0.754421	9.993374		1
60	9.239670		9.246319		0.753681	9.993351		0
	Cosin. 80		Cotang. 80		Tang. 80	Sin. 80		′

I	Sin. 10	I"	Tang. 10	I"	Cotang. 10	Cosin. 10	I"	
0	9.239670		9.246319		0.753681	9.993351		60
1	9.240386	11.89	9.247057	12.26	0.752943	9.993329	00.37	59
2	9.241101		9.247794		0.752206	9.993307		58
3	9.241814		9.248530		0.751470	9.993284		57
4	9.242526		9.249264		0.750736	9.993262		56
5	9.243237		9.249998		0.750002	9.993240		55
6	9.243947	11.79	9.250730	12.17	0.749270	9.993217	00.38	54
7	9.244656		9.251461		0.748539	9.993195		53
8	9.245363		9.252191		0.747809	9.993172		52
9	9.246069		9.252920		0.747080	9.993149		51
10	9.246775		9.253648		0.746352	9.993127		50
11	9.247478	11.69	9.254374	12.07	0.745626	9.993104		49
12	9.248181		9.255100		0.744900	9.993081		48
13	9.248883		9.255824		0.744176	9.993059		47
14	9.249583		9.256547		0.743453	9.993036		46
15	9.250282		9.257269		0.742731	9.993013		45
16	9.250980	11.60	9.257990	11.98	0.742010	9.992990		44
17	9.251677		9.258710		0.741290	9.992967		43
18	9.252373		9.259429		0.740571	9.992944		42
19	9.253067		9.260146		0.739854	9.992921		41
20	9.253761		9.260863		0.739137	9.992898		40
21	9.254453	11.50	9.261578	11.88	0.738422	9.992875		39
22	9.255144		9.262292		0.737708	9.992852		38
23	9.255834		9.263005		0.736995	9.992829		37
24	9.256523		9.263717		0.736283	9.992806		36
25	9.257211		9.264428		0.735572	9.992783		35
26	9.257898	11.41	9.265138	11.80	0.734862	9.992759	00.39	34
27	9.258583		9.265847		0.734153	9.992736		33
28	9.259268		9.266555		0.733445	9.992713		32
29	9.259951		9.267261		0.732739	9.992690		31
30	9.260633		9.267967		0.732033	9.992666		30
31	9.261314	11.31	9.268671	11.71	0.731329	9.992643		29
32	9.261994		9.269375		0.730625	9.992619		28
33	9.262673		9.270077		0.729923	9.992596		27
34	9.263351		9.270779		0.729221	9.992572		26
35	9.264027		9.271479		0.728521	9.992549		25
36	9.264703	11.23	9.272178	11.63	0.727822	9.992525	00.40	24
37	9.265377		9.272876		0.727124	9.992501		23
38	9.266051		9.273573		0.726427	9.992478		22
39	9.266723		9.274269		0.725731	9.992454		21
40	9.267395		9.274964		0.725036	9.992430		20
41	9.268065	11.13	9.275658	11.53	0.724342	9.992406		19
42	9.268734		9.276351		0.723649	9.992382		18
43	9.269402		9.277043		0.722957	9.992359		17
44	9.270069		9.277734		0.722266	9.992335		16
45	9.270735		9.278424		0.721576	9.992311		15
46	9.271400	11.05	9.279113	11.45	0.720887	9.992287		14
47	9.272064		9.279801		0.720199	9.992263		13
48	9.272726		9.280488		0.719512	9.992239		12
49	9.273388		9.281174		0.718826	9.992214		11
50	9.274049		9.281858		0.718142	9.992190		10
51	9.274708	10.96	9.282542	11.36	0.717458	9.992166		9
52	9.275367		9.283225		0.716775	9.992142		8
53	9.276025		9.283907		0.716093	9.992118		7
54	9.276681		9.284588		0.715412	9.992093		6
55	9.277337		9.285268		0.714732	9.992069		5
56	9.277991	10.87	9.285947	11.28	0.714053	9.992044		4
57	9.278645		9.286624		0.713375	9.992020	00.41	3
58	9.279297		9.287301		0.712699	9.991996		2
59	9.279948		9.287977		0.712023	9.991971		1
60	9.280599		9.288652		0.711348	9.991947		0
	Cosin. 79		Cotang. 79		Tang. 79	Sin. 79		I

′	Sin. 11	1″	Tang. 11	1″	Cotang. 11	Cosin. 11	1″	
0	9.280599		9.288652		0.711348	9.991947		60
1	9.281248		9.289326		0.710674	9.991922	0.41	59
2	9.281897		9.289999	11.30	0.710001	9.991897		58
3	9.282544	10.79	9.290671		0.709329	9.991873		57
4	9.283190		9.291342		0.708658	9.991848		56
5	9.283836		9.292013		0.707987	9.991823		55
6	9.284480		9.292682	11.12	0.707318	9.991799		54
7	9.285124	10.71	9.293350		0.706650	9.991774		53
8	9.285766		9.294017		0.705983	9.991749		52
9	9.286408		9.294684		0.705316	9.991724		51
10	9.287048		9.295349		0.704651	9.991699		50
11	9.287688		9.296013	11.04	0.703987	9.991674	0.42	49
12	9.288326	10.63	9.296677		0.703323	9.991649		48
13	9.288964		9.297339		0.702661	9.991624		47
14	9.289600		9.298001		0.701999	9.991599		46
15	9.290236		9.298662		0.701338	9.991574		45
16	9.290870		9.299322	10.96	0.700678	9.991549		44
17	9.291504	10.54	9.299980		0.700020	9.991524		43
18	9.292137		9.300638		0.699362	9.991498		42
19	9.292768		9.301295		0.698705	9.991473		41
20	9.293399		9.301951		0.698049	9.991448		40
21	9.294029		9.302607	10.89	0.697393	9.991422		39
22	9.294658	10.47	9.303261		0.696739	9.991397		38
23	9.295286		9.303914		0.696086	9.991372		37
24	9.295913		9.304567		0.695433	9.991346		36
25	9.296539		9.305218		0.694782	9.991321		35
26	9.297164		9.305869	10.82	0.694131	9.991295	0.43	34
27	9.297788	10.39	9.306519		0.693481	9.991270		33
28	9.298412		9.307168		0.692832	9.991244		32
29	9.299034		9.307815		0.692184	9.991218		31
30	9.299655		9.308463		0.691537	9.991193		30
31	9.300276		9.309109	10.74	0.690891	9.991167		29
32	9.300895	10.31	9.309754		0.690246	9.991141		28
33	9.301514		9.310399		0.689601	9.991115		27
34	9.302132		9.311042		0.688958	9.991090		26
35	9.302748		9.311685		0.688315	9.991064		25
36	9.303364		9.312327	10.67	0.687673	9.991038		24
37	9.303979	10.24	9.312968		0.687032	9.991012		23
38	9.304593		9.313608		0.686392	9.990986		22
39	9.305207		9.314247		0.685753	9.990960		21
40	9.305819		9.314885		0.685115	9.990934		20
41	9.306430		9.315523	10.60	0.684477	9.990908		19
42	9.307041	10.16	9.316159		0.683841	9.990882	0.44	18
43	9.307650		9.316795		0.683205	9.990855		17
44	9.308259		9.317430		0.682570	9.990829		16
45	9.308867		9.318064		0.681936	9.990803		15
46	9.309474		9.318697	10.53	0.681303	9.990777		14
47	9.310080	10.09	9.319330		0.680670	9.990750		13
48	9.310685		9.319961		0.680039	9.990724		12
49	9.311289		9.320592		0.679408	9.990697		11
50	9.311893		9.321222		0.678778	9.990671		10
51	9.312495		9.321851	10.46	0.678149	9.990645		9
52	9.313097		9.322479		0.677521	9.990618		8
53	9.313698	10.01	9.323106		0.676894	9.990591		7
54	9.314297		9.323733		0.676267	9.990565		6
55	9.314897		9.324358		0.675642	9.990538		5
56	9.315495		9.324983	10.39	0.675017	9.990511		4
57	9.316092	9.94	9.325607		0.674393	9.990485	0.45	3
58	9.316689		9.326231		0.673769	9.990458		2
59	9.317284		9.326853		0.673147	9.990431		1
60	9.317879		9.327475		0.672525	9.990404		0
	Cosin. 78		Cotang 78		Tang. 78	Sin. 78		′

′	Sin. 12	1″	Tang. 12	1″	Cotang. 12	Cosin. 12	1″	
0	9.317879		9.327475		0.672525	9.990404		60
1	9.318473		9.328095	10.32	0.671905	9.990378	0.45	59
2	9.319066	9.87	9.328715		0.671285	9.990351		58
3	9.319658		9.329334		0.670666	9.990324		57
4	9.320249		9.329953		0.670047	9.990297		56
5	9.320840		9.330570		0.669430	9.990270		55
6	9.321430		9.331187	10.25	0.668813	9.990243		54
7	9.322019	9.80	9.331803		0.668197	9.990215		53
8	9.322607		9.332418		0.667582	9.990188		52
9	9.323194		9.333033		0.666967	9.990161		51
10	9.323780		9.333646		0.666354	9.990134		50
11	9.324366		9.334259	10.19	0.665741	9.990107		49
12	9.324950	9.73	9.334871		0.665129	9.990079	0.46	48
13	9.325534		9.335482		0.664518	9.990052		47
14	9.326117		9.336093		0.663907	9.990025		46
15	9.326700		9.336702		0.663298	9.989997		45
16	9.327281		9.337311	10.12	0.662689	9.989970		44
17	9.327862	9.66	9.337919		0.662081	9.989942		43
18	9.328442		9.338527		0.661473	9.989915		42
19	9.329021		9.339133		0.660867	9.989887		41
20	9.329599		9.339739		0.660261	9.989860		40
21	9.330176		9.340344	10.06	0.659656	9.989832		39
22	9.330752	9.60	9.340948		0.659052	9.989804		38
23	9.331329		9.341552		0.658448	9.989777		37
24	9.331903		9.342155		0.657845	9.989749		36
25	9.332478		9.342757		0.657243	9.989721		35
26	9.333051		9.343358	9.99	0.656642	9.989693		34
27	9.333624	9.53	9.343958		0.656042	9.989665		33
28	9.334195		9.344558		0.655442	9.989637		32
29	9.334767		9.345157		0.654843	9.989610		31
30	9.335337		9.345755		0.654245	9.989582		30
31	9.335906		9.346353	9.93	0.653647	9.989553	0.47	29
32	9.336475	9.46	9.346949		0.653051	9.989525		28
33	9.337043		9.347545		0.652455	9.989497		27
34	9.337610		9.348141		0.651859	9.989469		26
35	9.338176		9.348735		0.651265	9.989441		25
36	9.338742		9.349329	9.87	0.650671	9.989413		24
37	9.339307	9.40	9.349922		0.650078	9.989385		23
38	9.339871		9.350514		0.649486	9.989356		22
39	9.340434		9.351106		0.648894	9.989328		21
40	9.340996		9.351697		0.648303	9.989300		20
41	9.341558		9.352287	9.81	0.647713	9.989271		19
42	9.342119	9.34	9.352876		0.647124	9.989243	0.48	18
43	9.342679		9.353465		0.646535	9.989214		17
44	9.343239		9.354053		0.645947	9.989186		16
45	9.343797		9.354640		0.645360	9.989157		15
46	9.344355		9.355227	9.75	0.644773	9.989128		14
47	9.344912	9.27	9.355813		0.644187	9.989100		13
48	9.345469		9.356398		0.643602	9.989071		12
49	9.346024		9.356982		0.643018	9.989042		11
50	9.346579		9.357566		0.642434	9.989014		10
51	9.347134		9.358149	9.69	0.641851	9.988985		9
52	9.347687	9.21	9.358731		0.641269	9.988956		8
53	9.348240		9.359313		0.640687	9.988927		7
54	9.348792		9.359893		0.640107	9.988898		6
55	9.349343		9.360474		0.639526	9.988869		5
56	9.349893		9.361053	9.63	0.638947	9.988840		4
57	9.350443	9.15	9.361632		0.638368	9.988811		3
58	9.350992		9.362210		0.637790	9.988782		2
59	9.351540		9.362787		0.637213	9.988753		1
60	9.352088		9.363364		0.636636	9.988724		0
	Cosin. 77		Cotang. 77		Tang. 77	Sin. 77		′

′	Sin. 13	1″	Tang. 13	I	Cotang. 13	Cosin. 13	1″	
0	9.352088		9.363364		0.636636	9.988724		60
1	9.352635	9.09	9.363940	9.58	0.636060	9.988695	0.49	59
2	9.353181		9.364515		0.635485	9.988666		58
3	9.353726		9.365090		0.634910	9.988636		57
4	9.354271		9.365664		0.634336	9.988607		56
5	9.354815		9.366237		0.633763	9.988578		55
6	9.355358	9.03	9.366810	9.52	0.633190	9.988548		54
7	9.355901		9.367382		0.632618	9.988519		53
8	9.356443		9.367953		0.632047	9.988489		52
9	9.356984		9.368524		0.631476	9.988460		51
10	9.357524		9.369094		0.630906	9.988430		50
11	9.358064	8.97	9.369663	9.46	0.630337	9.988401		49
12	9.358603		9.370232		0.629768	9.988371		48
13	9.359141		9.370799		0.629201	9.988342		47
14	9.359678		9.371367		0.628633	9.988312		46
15	9.360215		9.371933		0.628067	9.988282		45
16	9.360752	8.91	9.372499	9.41	0.627501	9.988252	0.50	44
17	9.361287		9.373064		0.626936	9.988223		43
18	9.361822		9.373629		0.626371	9.988193		42
19	9.362356		9.374193		0.625807	9.988163		41
20	9.362889		9.374756		0.625244	9.988133		40
21	9.363422	8.86	9.375319	9.36	0.624681	9.988103		39
22	9.363954		9.375881		0.624119	9.988073		38
23	9.364485		9.376442		0.623558	9.988043		37
24	9.365016		9.377003		0.622997	9.988013		36
25	9.365546		9.377563		0.622437	9.987983		35
26	9.366075	8.80	9.378122	9.30	0.621878	9.987953		34
27	9.366604		9.378681		0.621319	9.987922		33
28	9.367131		9.379239		0.620761	9.987892		32
29	9.367659		9.379797		0.620203	9.987862		31
30	9.368185		9.380354		9.619646	9.987832		30
31	9.368711	8.74	9.380910	9.25	0.619090	9.987801	0.51	29
32	9.369236		9.381466		0.618534	9.987771		28
33	9.369761		9.382020		0.617980	9.987740		27
34	9.370285		9.382575		0.617425	9.987710		26
35	9.370808		9.383129		0.616871	9.987679		25
36	9.371330	8.69	9.383682	9.20	0.616318	9.987649		24
37	9.371852		9.384234		0.615766	9.987618		23
38	9.372373		9.384786		0.615214	9.987588		22
39	9.372894		9.385337		0.614663	9.987557		21
40	9.373414		9.385888		0.614112	9.987526		20
41	9.373933	8.63	9.386438	9.14	0.613562	9.987496		19
42	9.374452		9.386987		0.613013	9.987465		18
43	9.374970		9.387536		0.612464	9.987434		17
44	9.375487		9.388084		0.611916	9.987403		16
45	9.376003		9.388631		0.611369	9.987372		15
46	9.376519	8.58	9.389178	9.09	0.610822	9.987341	0.52	14
47	9.377035		9.389724		0.610276	9.987310		13
48	9.377549		9.390270		0.609730	9.987279		12
49	9.378063		9.390815		0.609185	9.987248		11
50	9.378577		9.391360		0.608640	9.987217		10
51	9.379089	8.52	9.391903	9.04	0.608097	9.987186		9
52	9.379601		9.392447		0.607553	9.987155		8
53	9.380113		9.392989		0.607011	9.987124		7
54	9.380624		9.393531		0.606469	9.987092		6
55	9.381134		9.394073		0.605927	9.987061		5
56	9.381643	8.47	9.394614	8.99	0.605386	9.987030		4
57	9.382152		9.395154		0.604846	9.986998		3
58	9.382661		9.395694		0.604306	9.986967		2
59	9.383168		9.396233		0.603767	9.986936		1
60	9.383675		9.396771		0.603229	9.986904		0
	Cosin. 76		Cotang. 76		Tang. 76	Sin. 76		′

′	Sin. 14	1″	Tang. 14	1″	Cotang. 14	Cosin 14	1″	
0	9.383675		9.396771		0.603229	9.986904		60
1	9.384182	8.42	9.397309	8.95	0.602691	9.986873	0.53	59
2	9.384687		9.397846		0.602154	9.986841		58
3	9.385192		9.398383		0.601617	9.986809		57
4	9.385697		9.398919		0.601081	9.986778		56
5	9.386201		9.399455		0.600545	9.986746		55
6	9.386704	8.37	9.399990	8.90	0.600010	9.986714		54
7	9.387207		9.400524		0.599476	9.986683		53
8	9.387709		9.401058		0.598942	9.986651		52
9	9.388210		9.401591		0.598409	9.986619		51
10	9.388711		9.402124		0.597876	9.986587		50
11	9.389211	8.32	9.402656	8.85	0.597344	9.986555		49
12	9.389711		9.403187		0.596813	9.986523		48
13	9.390210		9.403718		0.596282	9.986491		47
14	9.390708		9.404249		0.595751	9.986459		46
15	9.391205		9.404778		0.595222	9.986427		45
16	9.391703	8.26	9.405308	8.80	0.594692	9.986395	0.54	44
17	9.392199		9.405836		0.594164	9.986363		43
18	9.392695		9.406364		0.593636	9.986331		42
19	9.393191		9.406892		0.593108	9.986299		41
20	9.393685		9.407419		0.592581	9.986266		40
21	9.394179	8.21	9.407945	8.75	0.592055	9.986234		39
22	9.394673		9.408471		0.591529	9.986202		38
23	9.395166		9.408996		0.591004	9.986169		37
24	9.395658		9.409521		0.590479	9.986137		36
25	9.396150		9.410045		0.589955	9.986104		35
26	9.396641	8.17	9.410569	8.71	0.589431	9.986072		34
27	9.397132		9.411092		0.588908	9.986039		33
28	9.397621		9.411615		0.588385	9.986007		32
29	9.398111		9.412137		0.587863	9.985974		31
30	9.398600		9.412658		0.587342	9.985942		30
31	9.399088	8.12	9.413179	8.66	0.586821	9.985909	0.55	29
32	9.399575		9.413699		0.586301	9.985876		28
33	9.400062		9.414219		0.585781	9.985843		27
34	9.400549		9.414738		0.585262	9.985811		26
35	9.401035		9.415257		0.584743	9.985778		25
36	9.401520	8.07	9.415775	8.62	0.584225	9.985745		24
37	9.402005		9.416293		0.583707	9.985712		23
38	9.402489		9.416810		0 583190	9.985679		22
39	9.402972		9.417326		0.582674	9.985646		21
40	9.403455		9.417842		0.582158	9.985613		20
41	9.403938	8.02	9.418358	8.58	0.581642	9.985580		19
42	9.404420		9.418873		0.581127	9.985547		18
43	9.404901		9.419387		0.580613	9.985514		17
44	9.405382		9.419901		0.580099	9.985480		16
45	9.405862		9.420415		0.579585	9.985447		15
46	9.406341	7.97	9.420927	8.53	0.579073	9.985414	0.56	14
47	9.406820		9.421440		0.578560	9.985381		13
48	9.407299		9.421952		0.578048	9.985347		12
49	9.407777		9.422463		0.577537	9.985314		11
50	9.408254		9.422974		0.577026	9.985280		10
51	9.408731	7.93	9.423484	8.48	0.576516	9.985247		9
52	9.409207		9.423993		0.576007	9.985213		8
53	9.409682		9.424503		0.575497	9.985180		7
54	9.410157		9.425011		0.574989	9.985146		6
55	9.410632		9.425519		0.574481	9.985113		5
56	9.411106	7.88	9.426027	8.44	0.573973	9.985079		4
57	9.411579		9.426534		0.573466	9.985045		3
58	9.412052		9.427041		0.572959	9.985011		2
59	9.412524		9.427547		0.572453	9.984978		1
60	9.412996		9.428052		0.571948	9.984944		0
	Cosin. 75		Cotang. 75		Tang. 75	Sin. 75		′

′	Sin. 15	1″	Tang. 15	1″	Cotang. 15	Cosin. 15	1″	
0	9.412996		9.428052		0.571948	9.984944		60
1	9.413467	7.84	9.428558	8.40	0.571442	9.984910	0.56	59
2	9.413938		9.429062		0.570938	9.984876		58
3	9.414408		9.429566		0.570434	9.984842		57
4	9.414878		9.430070		0.569930	9.984808		56
5	9.415347		9.430573		0.569427	9.984774		55
6	9.415815	7.79	9.431075	2.36	0.568925	9.984740		54
7	9.416283		9.431577		0.568423	9.984706		53
8	9.416751		9.432079		0.567921	9.984672		52
9	9.417217		9.432580		0.567420	9.984638		51
10	9.417684		9.433080		0.566920	9.984603		50
11	9.418150	7.74	9.433580	8.32	0.566420	9.984569		49
12	9.418615		9.434080		0.565920	9.984535		48
13	9.419079		9.434579		0.565421	9.984500		47
14	9.419544		9.435078		0.564922	9.984466		46
15	9.420007		9.435576		0.564424	9.984432		45
16	9.420470	7.70	9.436073	8.28	0.563927	9.984397	0.58	44
17	9.420933		9.436570		0.563430	9.984363		43
18	9.421395		9.437067		0.562933	9.984328		42
19	9.421857		9.437563		0.562437	9.984294		41
20	9.422318		9.438059		0.561941	9.984259		40
21	9.422778	7.66	9.438554	8.23	0.561446	9.984224		39
22	9.423238		9.439048		0.560952	9.984190		38
23	9.423697		9.439543		0.560457	9.984155		37
24	9.424156		9.440036		0.559964	9.984120		36
25	9.424615		9.440529		0.559471	9.984085		35
26	9.425073	7.61	9.441022	8.20	0.558978	9.984050		34
27	9.425530		9.441514		0.558486	9.984015		33
28	9.425987		9.442006		0.557994	9.983981		32
29	9.426443		9.442497		0.557503	9.983946		31
30	9.426899		9.442988		0.557012	9.983911		30
31	9.427354	7.57	9.443479	8.16	0.556521	9.983875	0.59	29
32	9.427809		9.443968		0.556032	9.983840		28
33	9.428263		9.444458		0.555542	9.983805		27
34	9.428717		9.444947		0.555053	9.983770		26
35	9.429170		9.445435		0.554565	9.983735		25
36	9.429623	7.53	9.445923	8.12	0.554077	9.983700		24
67	9.430075		9.446411		0.553589	9.983664		23
38	9.430527		9.446898		0.553102	9.983629		22
39	9.430978		9.447384		0.552616	9.983594		21
40	9.431429		9.447870		0.552130	9.983558		20
41	9.431879	7.49	9.448356	8.08	0.551644	9.983523		19
42	9.432329		9.448841		0.551159	9.983487		18
43	9.432778		9.449326		0.550674	9.983452		17
44	9.433226		9.449810		0.550190	9.983416		16
45	9.433675		9.450294		0.549706	9.983381		15
46	9.434122	7.44	9.450777	8.04	0.549223	9.983345		14
47	9.434569		9.451260		0.548740	9.983309	0.60	13
48	9.435016		9.451743		0.548257	9.983273		12
49	9.435462		9.452225		0.547775	9.983238		11
50	9.435908		9.452706		0.547294	9.983202		10
51	9.436353	7.40	9.453187	8.00	0.546813	9.983166		9
52	9.436798		9.453668		0.546332	9.983130		8
53	9.437242		9.454148		0.545852	9.983094		7
54	9.437686		9.454628		0.545372	9.983058		6
55	9.438129		9.455107		0.544893	9.983022		5
56	9.438572	7.36	9.455586	7.96	0.544414	9.982986		4
57	9.439014		9.456064		0.543936	9.982950		3
58	9.439456		9.456542		0.543458	9.982914		2
59	9.439897		9.457019		0.542981	9.982878		1
60	9.440338		9.457496		0.542504	9.982842		0
	Cosin. 74		Cotang 74		Tang. 74	Sin. 74		′

′	Sin. 16	1″	Tang. 16	1″	Cotang. 16	Cosin. 16	1″	′
0	9.440338		9.457496		0.542504	9.982842		60
1	9.440778	7.32	9.457973	7.93	0.542027	9.982805	0.61	59
2	9.441218		9.458449		0.541551	9.982769		58
3	9.441658		9.458925		0.541075	9.982733		57
4	9.442096		9.459400		0.540600	9.982696		56
5	9.442535		9.459875		0.540125	9.982660		55
6	9.442973	7.28	9.460349	7.89	0.539651	9.982624		54
7	9.443410		9.460823		0.539177	9.982587		53
8	9.443847		9.461297		0.538703	9.982551		52
9	9.444284		9.461770		0.538230	9.982514		51
10	9.444720		9.462242		0.537758	9.982477		50
11	9.445155	7.23	9.462715	7.86	0.537285	9.982441		49
12	9.445590		9.463186		0.536814	9.982404		48
13	9.446025		9.463658		0.536342	9.982367		47
14	9.446459		9.464128		0.535872	9.982331		46
15	9.446893		9.464599		0.535401	9.982294		45
16	9.447326	7.20	9.465069	7.82	0.534931	9.982257	0.62	44
17	9.447759		9.465539		0.534461	9.982220		43
18	9.448191		9.466008		0.533992	9.982183		42
19	9.448623		9.466477		0.533523	9.982146		41
20	9.449054		9.466945		0.533055	9.982109		40
21	9.449485	7.17	9.467413	7.78	0.532587	9.982072		39
22	9.449915		9.467880		0.532120	9.982035		38
23	9.450345		9.468347		0.531653	9.981998		37
24	9.450775		9.468814		0.531186	9.981961		36
25	9.451204		9.469280		0.530720	9.981924		35
26	9.451632	7.13	9.469746	7.75	0.530254	9.981886		34
27	9.452060		9.470211		0.529789	9.981849		33
28	9.452488		9.470676		0.529324	9.981812		32
29	9.452915		9.471141		0.528859	9.981774		31
30	9.453342		9.471605		0.528395	9.981737		30
31	9.453768	7.09	9.472069	7.71	0.527931	9.981700	0.63	29
32	9.454194		9.472532		0.527468	9.981662		28
33	9.454619		9.472995		0.527005	9.981625		27
34	9.455044		9.473457		0.526543	9.981587		26
35	9.455469		9.473919		0.526081	9.981549		25
36	9.455893	7.05	9.474381	7.68	0.525619	9.981512		24
37	9.456316		9.474842		0.525158	9.981474		23
38	9.456739		9.475303		0.524697	9.981436		22
39	9.457162		9.475763		0.524237	9.981399		21
40	9.457584		9.476223		0.523777	9.981361		20
41	9.458006	7.01	9.476683	7.65	0.523317	9.981323		19
42	9.458427		9.477142		0.522858	9.981285		18
43	9.458848		9.477601		0.522399	9.981247		17
44	9.459268		9.478059		0.521941	9.981209		16
45	9.459688		9.478517		0.521483	9.981171		15
46	9.460108	6.98	9.478975	7.61	0.521025	9.981133		14
47	9.460527		9.479432		0.520568	9.981095		13
48	9.460946		9.479889		0.520111	9.981057		12
49	9.461364		9.480345		0.519655	9.981019		11
50	9.461782		9.480801		0.519199	9.980981		10
51	9.462199	6.94	9.481257	7.58	0.518743	9.980942	0.64	9
52	9.462616		9.481712		0.518288	9.980904		8
53	9.463032		9.482167		0.517833	9.980866		7
54	9.463448		9.482621		0.517379	9.980827		6
55	9.463864		9.483075		0.516925	9.980789		5
56	9.464279	6.90	9.483529	7.55	0.516471	9.980750		4
57	9.464694		9.483982		0.516018	9.980712		3
58	9.465108		9.484435		0.515565	9.980673		2
59	9.465522		9.484887		0.515113	9.980635		1
60	9.465935		9.485339		0.514661	9.980596		0
	Cosin. 73		Cotang. 73		Tang. 73	Sin. 73		′

′	Sin. 17	I″	Tang. 17	I″	Cotang. 17	Cosin. 17	I″	
0	9.465935		9.485339		0.514661	9.980596		60
1	9.466348	6.87	9.485791	7.51	0.514209	9.980558	0.64	59
2	9.466761		9.486242		0.513758	9.980519		58
3	9.467173		9.486693		0.513307	9.980480		57
4	9.467585		9.487143		0.512857	9.980442		56
5	9.467996		9.487593		0.512407	9.980403		55
6	9.468407	6.83	9.488043	7.48	0.511957	9.980364	0.65	54
7	9.468817		9.488492		0.511508	9.980325		53
8	9.469227		9.488941		0.511059	9.980286		52
9	9.469637		9.489390		0.510610	9.980247		51
10	9.470046		9.489838		0.510162	9.980208		50
11	9.470455	6.80	9.490286	7.45	0.509714	9.980169		49
12	9.470863		9.490733		0.509267	9.980130		48
13	9.471271		9.491180		0.508820	9.980091		47
14	9.471679		9.491627		0.508373	9.980052		46
15	9.472086		9.492073		0.507927	9.980012		45
16	9.472492	6.76	9.492519	7.42	0.507481	9.979973		44
17	9.472898		9.492965		0.507035	9.979934		43
18	9.473304		9.493410		0.506590	9.979895		42
19	9.473710		9.493854		0.506146	9.979855		41
20	9.474115		9.494299		0.505701	9.979816		40
21	9.474519	6.73	9.494743	7.39	0.505257	9.979776	0.66	39
22	9.474923		9.495186		0.504814	9.979737		38
23	9.475327		9.495630		0.504370	9.979697		37
24	9.475730		9.496073		0.503927	9.979658		36
25	9.476133		9.496515		0.503485	9.979618		35
26	9.476536	6.70	9.496957	7.36	0.503043	9.979579		34
27	9.476938		9.497399		0.502601	9.979539		33
28	9.477340		9.497841		0.502159	9.979499		32
29	9.477741		9.498282		0.501718	9.979459		31
30	9.478142		9.498722		0.501278	9.979420		30
31	9.478542	6.66	9.499163	7.33	0.500837	9.979380		29
32	9.478942		9.499603		0.500397	9.979340		28
33	9.479342		9.500042		0.499958	9.979300		27
34	9.479741		9.500481		0.499519	9.979260		26
35	9.480140		9.500920		0.499080	9.979220		25
36	9.480539	6.63	9.501359	7.30	0.498641	9.979180		24
37	9.480937		9.501797		0.498203	9.979740	0.67	23
38	9.481334		9.502235		0.497765	9.979100		22
39	9.481731		9.502672		0.497328	9.979059		21
40	9.482128		9.503109		0.496891	9.979019		20
41	9.482525	6.60	9.503546	7.27	0.496454	9.978979		19
42	9.482921		9.503982		0.496018	9.978939		18
43	9.483316		9.504418		0.495582	9.978898		17
44	9.483712		9.504854		0.495146	9.978858		16
45	9.484107		9.505289		0.494711	9.978817		15
46	9.484501	6.56	9.505724	7.24	0.494276	9.978777		14
47	9.484895		9.506159		0.493841	9.978737		13
48	9.485289		9.506593		0.493407	9.978696		12
49	9.485682		9.507027		0.492973	9.978655		11
50	9.486075		9.507460		0.492540	9.978615		10
51	9.486467	6.53	9.507893	7.21	0.492107	9.978574	0.68	9
52	9.486860		9.508326		0.491674	9.978533		8
53	9.487251		9.508759		0.491241	9.978493		7
54	9.487643		9.509191		0.490809	9.978452		6
55	9.488034		9.509622		0.490378	9.978411		5
56	9.488424	6.49	9.510054	7.18	0.489946	9.978370		4
57	9.488814		9.510485		0.489515	9.978329		3
58	9.489204		9.510916		0.489084	9.978288		2
59	9.489593		9.511346		0.488654	9.978247		1
60	9.489982		9.511776		0.488224	9.978206		0
	Cosin. 72		Cotan. 72		Tang. 72	Sin. 72		′.

′	Sin. 18	1″	Tang. 18	1″	Cotang. 18	Cosin. 18	1″	′
0	9.489982		9.511776		0.488224	9.978206		60
1	9.490371	6.46	9.512206	7.15	0.487794	9.978165	0.68	59
2	9.490759		9.512635		0.487365	9.978124		58
3	9.491147		9.513064		0.486936	9.978083		57
4	9.491535		9.513493		0.486507	9.978042		56
5	9.491922	6.43	9.513921	7.12	0.486079	9.978001	0.69	55
6	9.492308		9.514349		0.485651	9.977959		54
7	9.492695		9.514777		0.485223	9.977918		53
8	9.493081		9.515204		0.484796	9.977877		52
9	9.493466		9.515631		0.484369	9.977835		51
10	9.493851	6.40	9.516057	7.10	0.483943	9.977794	0.70	50
11	9.494236		9.516484		0.483516	9.977752		49
12	9.494621		9.516910		0.483090	9.977711		48
13	9.495005		9.517335		0.482665	9.977669		47
14	9.495388		9.517761		0.482239	9.977628		46
15	9.495772	6.37	9.518186	7.06	0.481814	9.977586		45
16	9.496154		9.518610		0.481390	9.977544		44
17	9.496537		9.519034		0.480966	9.977503		43
18	9.496919		9.519458		0.480542	9.977461		42
19	9.497301		9.519882		0.480118	9.977419		41
20	9.497682	6.34	9.520305	7.04	0.479695	9.977377		40
21	9.498064		9.520728		0.479272	9.977335		39
22	9.498444		9.521151		0.478849	9.977293		38
23	9.498825		9.521573		0.478427	9.977251		37
24	9.499204		9.521995		0.478005	9.977209		36
25	9.499584	6.31	9.522417	7.01	0.477583	9.977167		35
26	9.499963		9.522838		0.477162	9.977125		34
27	9.500342		9.523259		0.476741	9.977083		33
28	9.500721		9.523680		0.476320	9.977041		32
29	9.501099		9.524100		0.475900	9.976999		31
30	9.501476	6.28	9.524520	6.98	0.475480	9.976957	0.71	30
31	9.501854		9.524940		0.475060	9.976914		29
32	9.502231		9.525359		0.475641	9.976872		28
33	9.502608		9.525778		0.474222	9.976830		27
34	9.502984		9.526197		0.473803	9.976787		26
35	9.503360	6.25	9.526615	6.96	0.473385	9.976745		25
36	9.503735		9.527033		0.472967	9.976702		24
37	9.504110		9.527451		0.472549	9.976660		23
38	9.504485		9.527868		0.472132	9.976617		22
39	9.504860		9.528285		0.471715	9.976574		21
40	9.505234	6.22	9.528702	6.93	0.471298	9.976532		20
41	9.505608		9.529119		0.470881	9.976489		19
42	9.505981		9.529535		0.470465	9.976446		18
43	9.506354		9.529951		0.470049	9.976404		17
44	9.506727		9.530366		0.469634	9.976361		16
45	9.507099	6.19	9.530781	6.91	0.469219	9.976318	0.72	15
46	9.507471		9.531196		0.468804	9.976275		14
47	9.507843		9.531611		0.468389	9.976232		13
48	9.508214		9.532025		0.467975	9.976189		12
49	9.508585		9.532439		0.467561	9.976146		11
50	9.508956	6.16	9.532853	6.88	0.467147	9.976103		10
51	9.509326		9.533266		0.466734	9.976060		9
52	9.509696		9.533679		0.466321	9.976017		8
53	9.510065		9.534092		0.465908	9.975974		7
54	9.510434		9.534504		0.465496	9.975930		6
55	9.510803	6.13	9.534916	6.85	0.465084	9.975887		5
56	9.511172		9.535328		0.464672	9.975844		4
57	9.511540		9.535739		0.464261	9.975800		3
58	9.511907		9.536150		0.463850	9.975757		2
59	9.512275		9.536561		0.465439	9.975714		1
60	9.512642		9.536972		0.463028	9.975670		0
	Cosin. 71		Cotang. 71		Tang. 71	Sin. 71		′

′	Sin. 19	1″	Tang. 19	1″	Cotang. 19	Cosin. 19	1″	
0	9.512642		9.536972		0.463028	9.975670		60
1	9.513009	6.10	9.537382	6.83	0.462618	9.975627	0.73	59
2	9.513375		9.537792		0.462208	9.975583		58
3	9.513741		9.538202		0.461798	9.975539		57
4	9.514107		9.538611		0.461389	9.975496		56
5	9.514472		9.539020		0.460980	9.975452		55
6	9.514837	6.07	9.539429	6.80	0.460571	9.975408		54
7	9.515202		9.539837		0.460163	9.975365		53
8	9.515566		9.540245		0.459755	9.975321		52
9	9.515930		9.540653		0.459347	9.975277		51
10	9.516294		9.541061		0.458939	9.975233		50
11	9.516657	6.04	9.541468	6.78	0.458532	9.975189		49
12	9.517020		9.541875		0.458125	9.975145		48
13	9.517382		9.542281		0.457719	9.975101		47
14	9.517745		9.542688		0.457312	9.975057		46
15	9.518107		9.543094		0.456906	9.975013		45
16	9.518468	6.01	9.543499	6.75	0.456501	9.974969	0.74	44
17	9.518829		9.543905		0.456095	9.974925		43
18	9.519190		9.544310		0.455690	9.974880		42
19	9.519551		9.544715		0.455285	9.974836		41
20	9.519911		9.545119		0.454881	9.974792		40
21	9.520271	5.99	9.545524	6.73	0.454476	9.974748		39
22	9.520631		9.545928		0.454072	9.974703		38
23	9.520990		9.546331		0.453669	9.974659		37
24	9.521349		9.546735		0.453265	9.974614		36
25	9.521707		9.547138		0.452862	9.974570		35
26	9.522066	5.96	9.547540	6.70	0.452460	9.974525		34
27	9.522424		9.547943		0.452057	9.974481		33
28	9.522781		9.548345		0.451655	9.974436		32
29	9.523138		9.548747		0.451253	9.974391		31
30	9.523495		9.549149		0.450851	9.974347		30
31	9.523852	5.93	9.549550	6.68	0.450450	9.974302		29
32	9.524208		9.549951		0.450049	9.974257		28
33	9.524564		9.550352		0.449648	9.974212	0.75	27
34	9.524920		9.550752		0.449248	9.974167		26
35	9.525275		9.551151		0.448847	9.974122		25
36	9.525630	5.90	9.551552	6.65	0.448448	9.974077		24
37	9.525984		9.551952		0.448048	9.974032		23
38	9.526339		9.552351		0.447649	9.973987		22
39	9.526693		9.552750		0.447250	9.973942		21
40	9.527046		9.553149		0.446851	9.973897		20
41	9.527400	5.88	9.553548	6.63	0.446452	9.973852		19
42	9.527753		9.553946		0.446054	9.973807		18
43	9.528105		9.554344		0.445656	9.973761		17
44	9.528458		9.554741		0.445259	9.973716		16
45	9.528810		9.555139		0.444861	9.973671		15
46	9.529161	5.85	9.555536	6.61	0.444464	9.973625	0.76	14
47	9.529513		9.555933		0.444067	9.973580		13
48	9.529864		9.556329		0.443671	9.973535		12
49	9.530215		9.556725		0.443275	9.973489		11
50	9.530565		9.557121		0.442879	9.973444		10
51	9.530915	5.82	9.557517	6.59	0.442483	9.973398		9
52	9.531265		9.557913		0.442087	9.973352		8
53	9.531614		9.558308		0.441692	9.973307		7
54	9.531963		9.558703		0.441297	9.973261		6
55	9.532312		9.559097		0.440903	9.973215		5
56	9.532661	5.80	9.559491	6.56	0.440509	9.973169		4
57	9.533009		9.559885		0.440115	9.973124		3
58	9.533357		9.560279		0.439721	9.973078		2
59	9.533704		9.560673		0.439327	9.973032		1
60	9.534052		9.561066		0.438934	9.972986		0
	Cosin. 70		Cotang. 70		Tang. 70	Sin. 70		′

′	Sin. 20	I″	Tang. 20	I″	Cotang 20	Cosin. 20	I″	′
0	9.534052		9.561066		0.438934	9.972986		60
1	9.534399		9.561459		0.438541	9.972940		59
2	9.534745	5.77	9.561851	6.54	0.438149	9.972894	0.77	58
3	9.535092		9.562244		0.437756	9.972848		57
4	9.535438		9.562636		0.437364	9.972802		56
5	9.535783		9.563028		0.436972	9.972755		55
6	9.536129	5.75	9.563419	6.52	0.436581	9.972709		54
7	9.536474		9.563811		0.436189	9.972663		53
8	9.536818		9.564202		0.435798	9.972617		52
9	9.537163		9.564593		0.435407	9.972570		51
10	9.537507		9.564983		0.435017	9.972524		50
11	9.537851	5.72	9.565373	6.50	0.434627	9.972478	0.78	49
12	9.538194		9.565763		0.434237	9.972431		48
13	9.538538		9.566153		0.433847	9.972385		47
14	9.538880		9.566542		0.433458	9.972338		46
15	9.539223		9.566932		0.433068	9.972291		45
16	9.539565	5.69	9.567320	6.47	0.432680	9.972245		44
17	9.539907		9.567709		0.432291	9.972198		43
18	9.540249		9.568098		0.431902	9.972151		42
19	9.540590		9.568486		0.431514	9.972105		41
20	9.540931		9.568873		0.431127	9.972058		40
21	9.541272	5.67	9.569261	6.45	0.430739	9.972011		39
22	9.541613		9.569648		0.430352	9.971964		38
23	9.541953		9.570035		0.429965	9.971917		37
24	9.542293		9.570422		0.429578	9.971870		36
25	9.542632		9.570809		0.429191	9.971823		35
26	9.542971	5.64	9.571195	6.43	0.428805	9.971776		34
27	9.543310		9.571581		0.428419	9.971729		33
28	9.543649		9.571967		0.428033	9.971682		32
29	9.543987		9.572352		0.427648	9.971635		31
30	9.544325		9.572738		0.427262	9.971588		30
31	9.544663	5.62	9.573123	6.41	0.426877	9.971540	0.79	29
32	9.545000		9.573507		0.426493	9.971493		28
33	9.545338		9.573892		0.426108	9.971446		27
34	9.545674		9.574276		0.425724	9.971398		26
35	9.546011		9.574660		0.425340	9.971351		25
36	9.546347	5.59	9.575044	6.39	0.424956	9.971303		24
37	0.546683		9.575427		0.424573	9.971256		23
38	9.547019		9.575810		0.424190	9.971208		22
39	9.547354		9.576193		0.423807	9.971161		21
40	9.547689		9.576576		0.423424	9.971113		20
41	9.548024	5.57	9.576959	6.36	0.423041	9.971066	0.80	19
42	9.548359		9.577341		0.422659	9.971018		18
43	9.548693		9.577723		0.422277	9.970970		17
44	9.549027		9.578104		0.421896	9.970922		16
45	9.549360		9.578486		0.421514	9.970874		15
46	9.549693	5.54	9.578867	6.34	0.421133	9.970827		14
47	9.550026		9.579248		0.420752	9.970779		13
48	9.550359		9.579629		0.420371	9.970731		12
49	9.550692		9.580009		0.419991	9.970683		11
50	9.551024		9.580389		0.419611	9.970635		10
51	9.551356	5.52	9.580769	6.32	0.419231	9.970586		9
52	9.551687		9.581149		0.418851	9.970538		8
53	9.552018		9.581528		0.418472	9.970490		7
54	9.552349		9.581907		0.418093	9.970442		6
55	9.552680		9.582286		0.417714	9.970394		5
56	9.553010		9.582665		0.417335	9.970345		4
57	9.553341	5.50	9.583044	6.30	0.416956	9.970297	0.81	3
58	9.553670		9.583422		0.416578	9.970249		2
59	9.554000		9.583800		0.416200	9.970200		1
60	9.554329		9.584177		0.415823	9.970152		0
	Cosin. 69		Cotang. 69		Tang. 69	Sin. 69		′

′	Sin. 21	I″	Tang. 21	I″	Cotang. 21	Cosin. 21	I″	′
0	9.554329		9.584177		0.415823	9.970152		60
1	9.554658	5.47	9.584555	6.28	0.415445	9.970103	0.81	59
2	9.554987		9.584932		0.415068	9.970055		58
3	9.555315		9.585309		0.414691	9.970006		57
4	9.555643		9.585686		0.414314	9.969957		56
5	9.555971		9.586062		0.413938	9.969909		55
6	9.556299	5.45	9.586439	6.26	0.413561	9.969860		54
7	9.556626		9.586815		0.413185	9.969811		53
8	9.556953		9.587190		0.412810	9.969762		52
9	9.557280		9.587566		0.412434	9.969714		51
10	9.557606		9.587941		0.412059	9.969665		50
11	9.557932	5.43	9.588316	6.24	0.411684	9.969616	0.82	49
12	9.558258		9.588691		0.411309	9.969567		48
13	9.558583		9.589066		0.410934	9.969518		47
14	9.558909		9.589440		0.410560	9.969469		46
15	9.559234		9.589814		0.410186	9.969420		45
16	9.559558	5.40	9.590188	6.22	0.409812	9.969370		44
17	9.559883		9.590562		0.409438	9.969321		43
18	9.560207		9.590935		0.409065	9.969272		42
19	9.560531		9.591308		0.408692	9.969223		41
20	9.560855		9.591681		0.408319	9.969173		40
21	9.561178	5.38	9.592054	6.20	0.407946	9.969124		39
22	9.561501		9.592426		0.407574	9.969075		38
23	9.561824		9.592799		0.407201	9.969025		37
24	9.562146		9.593171		0.406829	9.968976		36
25	9.562468		9.593542		0.406458	9.968926		35
26	9.562790	5.36	9.593914	6.19	0.406086	9.968877		34
27	9.563112		9.594285		0.405715	9.968827	0.83	33
28	9.563433		9.594656		0.405344	9.968777		32
29	9.563755		9.595027		0.404973	9.968728		31
30	9.564075		9.595398		0.404602	9.968678		30
31	9.564396	5.34	9.595768	6.18	0.404232	9.968628		29
32	9.564716		9.596138		0.403862	9.968578		28
33	9.565036		9.596508		0.403492	9.968528		27
34	9.565356		9.596878		0.403122	9.968479		26
35	9.565676		9.597247		0.402753	9.968429		25
36	9.565995	5.31	9.597616	6.15	0.402384	9.968379		24
37	9.566314		9.597985		0.402015	9.968329	0.84	23
38	9.566632		9.598354		0.401646	9.968278		22
39	9.566951		9.598722		0.401278	9.968228		21
40	9.567269		9.599091		0.400909	9.968178		20
41	9.567587	5.29	9.599459	6.13	0.400541	9.968128		19
42	9.567904		9.599827		0.400173	9.968078		18
43	9.568222		9.600194		0.399806	9.968027		17
44	9.568539		9.600562		0.399438	9.967977		16
45	9.568856		9.600929		0.399071	9.967927		15
46	9.569172	5.26	9.601296	6.11	0.398704	9.967876		14
47	9.569488		9.601663		0.398337	9.967826		13
48	9.569804		9.602029		0.397971	9.967775		12
49	9.570120		9.602395		0.397605	9.967725		11
50	9.570435		9.602761		0.397239	9.967674		10
51	9.570751	5.25	9.603127	6.09	0.396873	9.967624		9
52	9.571066		9.603493		0.396507	9.967573		8
53	9.571380		9.603858		0.396142	9.967522		7
54	9.571695		9.604223		0.395777	9.967471		6
55	9.572009		9.604588		0.395412	9.967421		5
56	9.572323	5.22	9.604953	6.07	0.395047	9.967370		4
57	9.572636		9.605317		0.394683	9.967319	0.85	3
58	9.572950		9.605682		0.394318	9.967268		2
59	9.573263		9.606046		0.393954	9.967217		1
60	9.573575		9.606410		0.393590	9.967166		0
′	Cosin. 68		Cotang. 68		Tang. 68	Sin. 68		′

′	Sin. 22	I″	Tang. 22	I″	Tang. 22	Cot. 22	I″	
0	9.572575		9.606410		0.393590	9.967166		60
1	9.573888	5.20	9.606773	6.05	0.393227	9.967115	0.85	59
2	9.574200		9.607137		0.392863	9.967064		58
3	9.574512		9.607500		0.392500	9.967013		57
4	9.574824		9.607863		0.392137	9.966961		56
5	9.575136		9.608225		0.391775	9.966910		55
6	9.575447	5.18	9.608588	6.04	0.391412	9.966859	0.86	54
7	9.575758		9.608950		0.391050	9.966808		53
8	9.576069		9.609312		0.390688	9.966756		52
9	9.576379		9.609674		0.390326	9.966705		51
10	9.576689		9.610036		0.389964	9.966653		50
11	9.576999	5.16	9.610397	6.02	0.389603	9.966602		49
12	9.577309		9.610759		0.389241	9.966550		48
13	9.577618		9.611120		0.388880	9.966499		47
14	9.577927		9.611480		0.388520	9.966447		46
15	9.578236		9.611841		0.388159	9.966395		45
16	9.578545	5.14	9.612201	6.00	0.387799	9.966344		44
17	9.578853		9.612561		0.387439	9.966292		43
18	9.579162		9.612921		0.387079	9.966240		42
19	9.579470		9.613281		0.386719	9.966188		41
20	9.579777		9.613641		0.386359	9.966136		40
21	9.580085	5.12	9.614000	5.98	0.386000	9.966085	0.87	39
22	9.580392		9.614359		0.385641	9.966033		38
23	9.580699		9.614718		0.385282	9.965981		37
24	9.581005		9.615077		0.384923	9.965929		36
25	9.581312		9.615435		0.384565	9.965876		35
26	9.581618	5.09	9.615793	5.96	0.384207	9.965824		34
27	9.581924		9.616151		0.383849	9.965772		33
28	9.582229		9.616509		0.383491	9.965720		32
29	9.582535		9.616867		0.383133	9.965668		31
30	9.582840		9.617224		0.382776	9.965615		30
31	9.583145	5.07	9.617582	5.95	0.382418	9.965563		29
32	9.583449		9.617939		0.382061	9.965511		28
33	9.583754		9.618295		0.381705	9.965458		27
34	9.584058		9.618652		0.381348	9.965406		26
35	9.584361		9.619008		0.380992	9.965353	0.88	25
36	9.584665	5.05	9.619364	5.93	0.380636	9.965301		24
37	9.584969		9.619720		0.380280	9.965248		23
38	9.585272		9.620076		0.379924	9.965195		22
39	9.585574		9.620432		0.379568	9.965143		21
40	9.585877		9.620787		0.379213	9.965090		20
41	9.586179	5.03	9.621142	5.91	0.378858	9.965037		19
42	9.586482		9.621497		0.378503	9.964984		18
43	9.586783		9.621852		0.378148	9.964931		17
44	9.587085		9.622207		0.377793	9.964879		16
45	9.587386		9.622561		0.377439	9.964826		15
46	9.587688	5.01	9.622915	5.90	0.377085	9.964773	0.89	14
47	9.587989		9.623269		0.376731	9.964720		13
48	9.588289		9.623623		0.376377	9.964666		12
49	9.588590		9.623976		0.376024	9.964613		11
50	9.588890		9.624330		0.375670	9.964560		10
51	9.589190	4.99	9.624683	5.88	0.375317	9.964507		9
52	9.589489		9.625036		0.374964	9.964454		8
53	9.589789		9.625388		0.374612	9.964400		7
54	9.590088		9.625741		0.374259	9.964347		6
55	9.590387		9.626093		0.373907	9.964294		5
56	9.590686	4.97	9.626445	5.86	0.373555	9.964240		4
57	9.590984		9.626797		0.373203	9.964187		3
58	9.591282		9.627149		0.372851	9.964133		2
59	9.591580		9.627501		0.372499	9.964080		1
60	9.591878		9.627852		0.372148	9.964026		0
	Cosin. 67		Cotang. 67		Tang. 67	Sin. 67		′

′	Sin. 23	I″	Tang. 23	I″	Cotang. 23	Cosin. 23	I″	
0	9.591878		9.627852		0.372148	9.964026		60
1	9.592176	4.95	9.628203	5.85	0.371797	9.963972	0.90	59
2	9.592473		9.628554		0.371446	9.963919		58
3	9.592770		9.628905		0.371095	9.963865		57
4	9.593067		9.629255		0.370745	9.963811		56
5	9.593363	4.93	9.629606	5.83	0.370394	9.963757		55
6	9.593659		9.629956		0.370044	9.963704		54
7	9.593955		9.630306		0.369694	9.963650		53
8	9.594251		9.630656		0.369344	9.963596		52
9	9.594547		9.631005		0.368995	9.963542		51
10	9.594842	4.91	9.631355	5.84	0.368645	9.963488	0.91	50
11	9.595137		9.631704		0.368296	9.963434		49
12	9.595432		9.632053		0.367947	9.963379		48
13	9.595727		9.632402		0.367598	9.963325		47
14	9.596021		9.632750		0.367250	9.963271		46
15	9.596315	4.89	9.633099	5.81	0.366901	9.963217		45
16	9.596609		9.633447		0.366553	9.963163		44
17	9.596903		9.633795		0.366205	9.963108		43
18	9.597196		9.634143		0.365857	9.963054		42
19	9.597490		9.634490		0.365510	9.962999		41
20	9.597783	4.87	9.634838	5.80	0.565162	9.962945	0.92	40
21	9.598075		9.635185		0.364815	9.962890		39
22	9.598368		9.635532		0 364468	9 962836		38
23	9.598660		9.635879		0.364121	9.962781		37
24	9.598952		9.636226		0.363774	9.962727		36
25	9.599244	4.85	9.636572	5.78	0.363428	9.962672		35
26	9.599536		9.636919		0.363081	9.962617		34
27	9.599827		9.637265		0.362735	9.962562		33
28	9.600118		9.637611		0.362389	9.962508		32
29	9.600409		9.637956		0.362044	9.962453		31
30	9.600700	4.83	9.638302	5.77	0.361698	9.962398	0.93	30
31	9.600990		9.638647		0.361353	9.962343		29
32	9.601280		9.638992		0.361008	9.962288		28
33	9.601570		9.639337		0.360663	9.962233		27
34	9.601860		9.639682		0.360318	9.962178		26
35	9.602150	4.81	9.640027	5.75	0.359973	9.962123		25
36	9.602439		9.640371		0.359629	9.962067		24
37	9.602728		9.640716		0.359284	9.962012		23
38	9.603017		9.641060		0.358940	9.961957		22
39	9.603305		9.641404		0.358596	9.961902		21
40	9.603594	4.79	9.641747	5.73	0.358253	9.961846		20
41	9.603882		9.642091		0.357909	9.961791		19
42	9.604170		9.642434		0.357566	9.961735		18
43	9.604457		9.642777		0.357223	9.961680		17
44	9.604745		9.643120		0.356880	9.961624		16
45	9.605032	4.78	9.643463	5.72	0.356537	9.961569	0.93	15
46	9.605319		9.643806		0.356194	9.961513		14
47	9.605606		9.644148		0.355852	9.961458		13
48	9.605892		9.644490		0.355510	9.961402		12
49	9.606179		9.644832		0.355168	9.961346		11
50	9.606465	4.76	9.645174	5.70	0.354826	9.961290		10
51	9.606751		9.645516		0.354484	9.961235		9
52	9.607036		9.645857		0.354143	9.961179		8
53	9.607322		9.646199		0.353801	9.961123		7
54	9.607607		9.646540		0.353460	9.961067		6
55	9.607892	4.74	9.646881	567	0.353119	9.961011	0.94	5
56	9.608177		9.647222		0.352778	9.960955		4
57	9.608461		9.647562		0.352438	9.960899		3
58	9.608745		9.647903		0.352097	9.960843		2
59	9.609029		9.648243		0.351757	9.960786		1
60	9.609313		9.648583		0.351417	9.960730		0
	Cosin. 66		Cotang. 66		Tang. 66	Sin. 66		′

′	Sin. 24	I″	Tang. 24	I″	Cotang. 24	Cosin. 24	I″	′
0	9.609313		9.648583		0.351417	9.960730		60
1	9.609597	4.72	9.648923	5.66	0.351077	9.960674	0.94	59
2	9.609880		9.649263		0.350737	9.960618		58
3	9.610164		9.649602		0.350398	9.960561		57
4	9.610447		9.649942		0.350058	9.960505		56
5	9.610729		9.650281		0.349719	9.960448		55
6	9.611012	4.70	9.650620	5.64	0.349380	9.960392		54
7	9.611294		9.650959		0.349041	9.960335		53
8	9.611576		9.651297		0.348703	9.960279		52
9	9.611858		9.651636		0.348364	9.960222		51
10	9.612140		9.651974		0.348026	9.960165		50
11	9.612421	4.68	9.652312	5.63	0.347688	9.960109		49
12	9.612702		9.652650		0.347350	9.960052		48
13	9.612983		9.652988		0.347012	9.959995		47
14	9.613264		9.653326		0.346674	9.959938		46
15	9.613545		9.653663		0.346337	9.959882		45
16	9.613825	4.66	9.654000	5.62	0.346000	9.959825	0.95	44
17	9.614105		9.654337		0.345663	9.959768		43
18	9.614385		9.654674		0.345326	9.959711		42
19	9.614665		9.655011		0.344989	9.959654		41
20	9.614944		9.655348		0.344652	9.959596		40
21	9.615223	4.65	9.655684	5.60	0.344316	9.959539		39
22	9.615502		9.656020		0.343980	9.959482		38
23	9.615781		9.656356		0.343644	9.959425		37
24	9.616060		9.656692		0.343308	9.959368		36
25	9.616338		9.657028		0.342972	9.959310		35
26	9.616616	4.63	9.657364	5.59	0.342636	9.959253	0.96	34
27	9.616894		9.657699		0.342301	9.959195		33
28	9.617172		9.658034		0.341966	9.959138		32
29	9.617450		9.658369		0.341631	9.959080		31
30	9.617727		9.658704		0.341296	9.959023		30
31	9.618004	4.61	9.659039	5.57	0.340961	9.958965		29
32	9.618281		9.659373		0.340627	9.958908		28
33	9.618558		9.659708		0.340292	9.958850		27
34	9.618834		9.660042		0.339958	9.958792		26
35	9.619110		9.660376		0.339624	9.958734		25
36	9.619386	4.59	9.660710	5.56	0.339290	9.958677		24
37	9.619662		9.661043		0.338957	9.958619		23
38	9.619938		9.661377		0.338623	9.958561		22
39	9.620213		9.661710		0.338290	9.958503		21
40	9.620488		9.662043		0.337957	9.958445		20
41	9.620763	4.58	9.662376	5.55	0.337624	9.958387	0.97	19
42	9.621038		9.662709		0.337291	9.958329		18
43	9.621313		9.663042		0.336958	9.958271		17
44	9.621587		9.663375		0.336625	9.958213		16
45	9.621861		9.663707		0.336293	9.958154		15
46	9.622135	4.56	9.664039	5.53	0.335961	9.958096		14
47	9.622409		9.664371		0.335629	9.958038		13
48	9.622682		9.664703		0.335297	9.957979		12
49	9.622956		9.665035		0.334965	9.957921		11
50	9.623229		9.665366		0.334634	9.957863		10
51	9.623502	4.54	9.665698	5.52	0.334302	9.957804	0.98	9
52	9.623774		9.666029		0.333971	9.957746		8
53	9.621047		9.666360		0.333640	9.957687		7
54	9.624319		9.666691		0.333309	9.957628		6
55	9.624591		9.667021		0.332979	9.957570		5
56	9.624863	4.52	9.667352	5.51	0.332648	9.957511		4
57	9.625135		9.667682		0.332318	9.957452		3
58	9.625406		9.668013		0.331987	9.957393		2
59	9.625677		9.668343		0.331657	9.957335		1
60	9.625948		9.668673		0.331327	9.957286		0
	Cosin. 65		Cotang. 65		Tang. 65	Sin. 65		′

′	Sin. 25	I″	Tang. 25	I″	Cotang. 25	Cosin. 25	I″	
0	9.625948		9.668673		0.331327	9.957276		60
1	9.626219	4.51	9.669002	5.49	0.330998	9.957217	0.98	59
2	9.626490		9.669332		0.330668	9.957158		58
3	9.626760		9.669661		0.330339	9.957099		57
4	9.627030		9.669991		0.330009	9.957040		56
5	9.627300		9.670320		0.329680	9.956981		55
6	9.627570	4.49	9.670649	5.46	0.329351	9.956921	0.99	54
7	9.627840		9.670977		0.329023	9.956862		53
8	9.628109		9.671306		0.328694	9.956803		52
9	9.628378		9.671635		0.328365	9.956744		51
10	9.628647		9.671963		0.328037	9.956684		50
11	9.628916	4.47	9.672291	5.46	0.327709	9.956625		49
12	9.629185		9.672619		0.327381	9.956566		48
13	9.629453		9.672947		0.327053	9.956506		47
14	9.629721		9.673274		0.326726	9.956447		46
15	9.629989		9.673602		0.326398	9.956387		45
16	9.630257	4.46	9.673929	5.45	0.326071	9.956327		44
17	9.630524		9.674257		0.325743	9.956268		43
18	9.630792		9.674584		0.325416	9.956208		42
19	9.631059		9.674911		0.325089	9.956148		41
20	9.631326		9.675237		0.324763	9.956089		40
21	9.631593	4.44	9.675564	5.44	0.324436	9.956029	1.00	39
22	9.631859		9.675890		0.324110	9.955969		38
23	9.632125		9.676217		0.323783	9.955909		37
24	9.632392		9.676543		0.323457	9.955849		36
25	9.632658		9.676869		0.323131	9.955789		35
26	9.632923	4.42	9.677194	5.42	0.322806	9.955729		34
27	9.633189		9.677520		0.322480	9.955669		33
28	9.633454		9.677846		0.322154	9.955609		32
29	9.633719		9.678171		0.321829	9.955548		31
30	9.633984		9.678496		0.321504	9.955488		30
31	9.634249	4.41	9.678821	5.41	0.321179	9.955428	1.01	29
32	9.634514		9.679146		0.320854	9.955368		28
33	9.634778		9.679471		0.320529	9.955307		27
34	9.635042		9.679795		0.320205	9.955247		26
35	9.635306		9.680120		0.319880	9.955186		25
36	9.635570	4.39	9.680444	5.40	0.319556	9.955126		24
37	9.635834		9.680768		0.319232	9.955065		23
38	9.636097		9.681092		0.318908	9.955005		22
39	9.636360		9.681416		0.318584	9.954944		21
40	9.636623		9.681740		0.318260	9.954883		20
41	9.636886		9.682063		0.317937	9.954823		19
42	9.637148	4.37	9.682387	5.39	0.317613	9.954762		18
43	9.637411		9.682710		0.317290	9.954701		17
44	9.637673		9.683033		0.316967	9.954640		16
45	9.637935		9.683356		0.316644	9.954579		15
46	9.638197	4.36	9.683679	5.37	0.316321	9.954518		14
47	9.638458		9.684001		0.315999	9.954457	1.02	13
48	9.638720		9.684324		0.315676	9.954396		12
49	9.638981		9.684646		0.315354	9.954335		11
50	9.639242		9.684968		0.315032	9.954274		10
51	9.639503	4.34	9.685290	5.36	0.314710	9.954213		9
52	9.639764		9.685612		0.314388	9.954152		8
53	9.640024		9.685934		0.314066	9.954090		7
54	9.640284		9.686255		0.313745	9.954029		6
55	9.640544		9.686577		0.313423	9.953968		5
56	9.640804	4.33	9.686898	5.35	0.313102	9.953906		4
57	9.641064		9.687219		0.312781	9.953845	1.03	3
58	9.641324		9.687540		0.312460	9.953783		2
59	9.641583		9.687861		0.312139	9.953722		1
60	9.641842		9.688182		0.311818	9.953660		0
	Cosin. 64		Cotang. 64		Tang. 64	Sin. 64		′

′	Sin. 26	I″	Tang. 26	I″	Cotang. 26	Cosin. 26	I″	′
0	9.641842		9.688182		0.311818	9.953660		60
1	9.642101	4.31	9.688502	5.34	0.311498	9.953599	1.08	59
2	9.642360		9.688823		0.311177	9.953537		58
3	9.642618		9.689143		0.310857	9.953475		57
4	9.642877		9.689463		0.310537	9.953413		56
5	9.643135		9.689783		0.310217	9.953352		55
6	9.643393	4.29	9.690103	5.33	0.309897	9.953290		54
7	9.643650		9.690423		0.309577	9.953228		53
8	9.643908		9.690742		0.309258	9.953166		52
9	9.644165		9.691062		0.308938	9.953104		51
10	9.644423		9.691381		0.308619	9.953042		50
11	9.644680	4.28	9.691700	5.31	0.308300	9.952980		49
12	9.644936		9.692019		0.307981	9.952918		48
13	9.645193		9.692338		0.307662	9.952855		47
14	9.645450		9.692656		0.307344	9.952793		46
15	9.645706		9.692975		0.307025	9.952731		45
16	9.645962	4.26	9.693293	5.30	0.306707	9.952669	1.09	44
17	9.646218		9.693612		0.306388	9.952606		43
18	9.646474		9.693930		0.306070	9.952544		42
19	9.646729		9.694248		0.305752	9.952481		41
20	9.646984		9.694566		0.305434	9.952419		40
21	9.647240	4.25	9.694883	5.29	0.305117	9.952356		39
22	9.647494		9.695201		0.304799	9.952294		38
23	9.647749		9.695518		0.304482	9.952231		37
24	9.648004		9.695836		0.304164	9.952168		36
25	9.648258		9.696153		0.303847	9.952106		35
26	9.648512	4.23	9.696470	5.28	0.303530	9.952043		34
27	9.648766		9.696787		0.303213	9.951980		33
28	9.649020		9.697103		0.302897	9.951917		32
29	9.649274		9.697420		0.302580	9.951854		31
30	9.649527		9.697736		0.302264	9.951791		30
31	9.649781	4.22	9.698053	5.27	0.301947	9.951728		29
32	9.650034		9.698369		0.301631	9.951665	1.10	28
33	9.650287		9.698685		0.301315	9.951602		27
34	9.650539		9.699001		0.300999	9.951539		26
35	9.650792		9.699316		0.300684	9.951476		25
36	9.651044	4.20	9.699632	5.26	0.300368	9.951412		24
37	9.651297		9.699947		0.300053	9.951349		23
38	9.651549		9.700263		0.299737	9.951286		22
39	9.651800		9.700578		0.299422	9.951222		21
40	9.652052		9.700893		0.299107	9.951159		20
41	9.652304	4.19	9.701208	5.24	0.298792	9.951096		19
42	9.652555		9.701523		0.298477	9.951032	1.11	18
43	9.652806		9.701837		0.298163	9.950968		17
44	9.653057		9.702152		0.297848	9.950905		16
45	9.653308		9.702466		0.297534	9.950841		15
46	9.653558	4.17	9.702781	5.23	0.297219	9.950778		14
47	9.653808		9.703095		0.296905	9.950714		13
48	9.654059		9.703409		0.296591	9.950650		12
49	9.654309		9.703722		0.296278	9.950586		11
50	9.654558		9.704036		0.295964	9.950522		10
51	9.654808	4.16	9.704350	5.22	0.295650	9.950458		9
52	9.655058		9.704663		0.295337	9.950394		8
53	9.655307		9.704976		0.295024	9.950330		7
54	9.655556		9.705290		0.294710	9.950266		6
55	9.655805		9.705603		0.294397	9.950202		5
56	9.656054	4.14	9.705916	5.21	0.294084	9.950138		4
57	9.656302		9.706228		0.293772	9.950074	1.12	3
58	9.656551		9.706541		0.293459	9.950010		2
59	9.656799		9.706854		0.293146	9.949945		1
60	9.657047		9.707166		0.292834	9.949881		0
′	Cosin. 63		Cotang. 63		Tang. 63	Sin. 63		′

I	Sin. 27	I"	Tang. 27	I"	Cotang. 27	Cosin. 27	I"	
0	9.657047		9.707166		0.292834	9.949881		60
1	9.657295	4.12	9.707478	5.20	0.292522	9.949816	1.08	59
2	9.657542		9.707790		0.292210	9.949752		58
3	9.657790		9.708102		0.291898	9.949688		57
4	9.658037		9.708414		0.291586	9.949623		56
5	9.658284	4.11	9.708726	5.19	0.291274	9.949558		55
6	9.658531		9.709037		0.290963	9.949494		54
7	9.658778		9.709349		0.290651	9.949429		53
8	9.659025		9.709660		0.290340	9.949364		52
9	9.659271		9.709971		0.290029	9.949300		51
10	9.659517	4.10	9.710282	5.18	0.289718	9.949235		50
11	9.659763		9.710593		0.289407	9.949170		49
12	9.660009		9.710904		0.289096	9.949105		48
13	9.660255		9.711215		0.288785	9.949040		47
14	9.660501		9.711525		0.288475	9.948975		46
15	9.660746	4.08	9.711836	5.17	0.288164	9.948910	1.09	45
16	9.660991		9.712146		0.287854	9.948845		44
17	9.661236		9.712456		0.287544	9.948780		43
18	9.661481		9.712766		0.287234	9.948715		42
19	9.661726		9.713076		0.286924	9.948650		41
20	9.661970	4.07	9.713386	5.16	0.286614	9.948584		40
21	9.662214		9.713696		0.286304	9.948519		39
22	9.662459		9.714005		0.285995	9.948454		38
23	9.662703		9.714314		0.285686	9.948388		37
24	9.662946		9.714624		0.285376	9.948323		36
25	9.663190	4.05	9.714933	5.15	0.285067	9.948257		35
26	9.663433		9.715242		0.284758	9.948192		34
27	9.663677		9.715551		0.284449	9.948126		33
28	9.663920		9.715860		0.284140	9.948060		32
29	9.664163		9.716168		0.283832	9.947995		31
30	9.664406	4.04	9.716477	5.13	0.283523	9.947929	1.10	30
31	9.664648		9.716785		0.283215	9.947863		29
32	9.664891		9.717093		0.282907	9.947797		28
33	9.665133		9.717401		0.282599	9.947731		27
34	9.665375		9.717709		0.282291	9.947665		26
35	9.665617	4.02	9.718017	5.12	0.281983	9.947600		25
36	9.665859		9.718325		0.281675	9.947533		24
37	9.666100		9.718633		0.281367	9.947467		23
38	9.666342		9.718940		0.281060	9.947401		22
39	9.666583		9.719248		0.280752	9.947335		21
40	9.666824	4.01	9.719555	5.11	0.280445	9.947269		20
41	9.667065		9.719862		0.280138	9.947203	1.11	19
42	9.667305		9.720169		0.279831	9.947136		18
43	9.667546		9.720476		0.279524	9.947070		17
44	9.667786		9.720783		0.279217	9.947004		16
45	9.668027	3.99	9.721089	5.10	0.278911	9.946937		15
46	9.668267		9.721396		0.278604	9.946871		14
47	9.668506		9.721702		0.278298	9.946804		13
48	9.668746		9.722009		0.277991	9.946738		12
49	9.668986		9.722315		0.277685	9.946671		11
50	9.669225	3.98	9.722621	5.09	0.277379	9.946604		10
51	9.669464		9.722927		0.277073	9.946538		9
52	9.669703		9.723232		0.276768	9.946471		8
53	9.669942		9.723538		0.276462	9.946404		7
54	9.670181		9.723844		0.276156	9.946337		6
55	9.670419	3.97	9.724149	5.08	0.275851	9.946270	1.12	5
56	9.670658		9.724454		0.275546	9.946203		4
57	9.670896		9.724760		0.275240	9.946136		3
58	9.671134		9.725065		0.274935	9.946069		2
59	9.671372		9.725370		0.274630	9.946002		1
60	9.671609		9.725674		0.274326	9.945935		0
	Cosin. 62		Cotang. 62		Tang. 62	Sin. 62		I

′	Sin. 28	I″	Tang. 28	I″	Colang. 28	Cosin.	I″	
0	9.671609		9.725674		0.274326	9.945935		60
1	9.671847		9.725979	5.08	0.274021	9.945868	1.12	59
2	9.672084	3.95	9.726284		0.273716	9.945800		58
3	9.672321		9.726588		0.273412	9.945733		57
4	9.672558		9.726892		0.273108	9.945666		56
5	9.672795		9.727197		0.272803	9.945598		55
6	9.673032	3.94	9.727501	5.06	0.272499	9.945531		54
7	9.673268		9.727805		0.272195	9.945464		53
8	9.673505		9.728109		0.271891	9.945396		52
9	9.673741		9.728412		0.271588	9.945328		51
10	9.673977		9.728716		0.271284	9.945261		50
11	9.674213	3.93	9.729020		0.270980	9.945193	1.13	49
12	9.674448		9.729323		0.270677	9.945125		48
13	9.674684		9.729626		0.270374	9.945058		47
14	9.674919		9.729929		0.270071	9.944990		46
15	9.675155		9.730233	5.04	0.269767	9.944922		45
16	9.675390	3.91	9.730535		0.269465	9.944854		44
17	9.675624		9.730838		0.269162	9.944786		43
18	9.675859		9.731141		0.268859	9.944718		42
19	9.676094		9.731444		0.268556	9.944650		41
20	9.676328		9.731746		0.268254	9.944582		40
21	9.676562	3.90	9.732048		0.267952	9.944514	1.14	39
22	9.676796		9.732351		0.267649	9.944446		38
23	9.677030		9.732653		0.267347	9.944377		37
24	9.677264		9.732955		0.267045	9.944309		36
25	9.677498		9.733257		0.266743	9.944241		35
26	9.677731	3.88	9.733558	5.02	0.266442	9.944172		34
27	9.677964		9.733860		0.266140	9.944104		33
28	9.678197		9.734162		0.265838	9.944036		32
29	9.678430		9.734463		0.265537	9.943967		31
30	9.678663		9.734764		0.265236	9.943899		30
31	9.678895	3.87	9.735066		0.264934	9.943830	1.15	29
32	9.679128		9.735367		0.264633	9.943761		28
33	9.679360		9.735668		0.264332	9.943693		27
34	9.679592		9.735969		0.264031	9.943624		26
35	9.679824		9.736269		0.263731	9.943555		25
36	9.680056	3.86	9.736570	5.00	0.263430	9.943486		24
37	9.680288		9.736870		0.263130	9.943417		23
38	9.680519		9.737171		0.262829	9.943348		22
39	9.680750		9.737471		0.262529	9.943279		21
40	9.680982		9.737771		0.262229	9.943210		20
41	9.681213	3.84	9.738071		0.261929	9.943141		19
42	9.681443		9.738371		0.261629	9.943072		18
43	9.681674		9.738671		0.261329	9.943003		17
44	9.681905		9.738971		0.261029	9.942934		16
45	9.682135		9.739271		0.260729	9.942864		15
46	9.682365	3.83	9.739570	4.99	0.260430	9.942795	1.16	14
47	9.682595		9.739870		0.260130	9.942726		13
48	9.682825		9.740169		0.259831	9.942656		12
49	9.683055		9.740468		0.259532	9.942587		11
50	9.683284		9.740767		0.259233	9.942517		10
51	9.683514	3.82	9.741066	4.98	0.258934	9.942448		9
52	9.683743		9.741365		0.258635	9.942378		8
53	9.683972		9.741664		0.258336	9.942308		7
54	9.684201		9.741962		0.258038	9.942239		6
55	9.684430		9.742261		0.257739	9.942169		5
56	9.684658		9.742559		0.257441	9.942099		4
57	9.684887	3.80	9.742858	4.97	0.257142	9.942029	1.17	3
58	9.685115		9.743156		0.256844	9.941959		2
59	9.685343		9.743454		0.256546	9.941889		1
60	9.685571		9.743752		0.256248	9.941819		0
′	Cosin. 61		Colang. 61		Tang. 61	Sin. 61		′

′	Sin. 29	1″	Tang 29	1″	Cotang. 29	Cosin. 29	1″	
0	9.685571		9.743752		0.256248	9.941819		60
1	9.685799	3.79	9.744050	4.96	0.255950	9.941749	1.17	59
2	9.686027		9.744348		0.255652	9.941679		58
3	9.686254		9.744645		0.255355	9.941609		57
4	9.686482		9.744943		0.255057	9.941539		56
5	9.686709		9.745240		0.254760	9.941469		55
6	9.686936	3.78	9.745538	4.95	0.254462	9.941398		54
7	9.687163		9.745835		0.254165	9.941328		53
8	9.687389		9.746132		0.253868	9.941258		52
9	9.687616		9.746429		0.253571	9.941187		51
10	9.687843		9.746726		0.253274	9.941117		50
11	9.688069	3.76	9.747023	4.94	0.252977	9.941046	1.18	49
12	9.688295		9.747319		0.252681	9.940975		48
13	9.688521		9.747616		0.252384	9.940905		47
14	9.688747		9.747913		0.252087	9.940834		46
15	9.688972		9.748209		0.251791	9.940763		45
16	9.689198	3.75	9.748505	4.93	0.251495	9.940693		44
17	9.689423		9.748801		0.251199	9.940622		43
18	9.689648		9.749097		0.250903	9.940551		42
19	9.689873		9.749393		0.250607	9.940480		41
20	9.690098		9.749689		0.250311	9.940409		40
21	9.690323	3.74	9.749985		0.250015	9.940338		39
22	9.690548		9.750281		0.249719	9.940267		38
23	9.690772		9.750576		0.249424	9.940196		37
24	9.690996		9.750872		0.249128	9.940125		36
25	9.691220		9.751167		0.248833	9.940054		35
26	9.691444	3.73	9.751462	4.92	0.248538	9.939982	1.19	34
27	9.691668		9.751757		0.248243	9.939911		33
28	9.691892		9.752052		0.247948	9.939840		32
29	9.692115		9.752347		0.247653	9.939768		31
30	9.692339		9.752642		0.247358	9.939697		30
31	9.692562	3.71	9.752937	4.91	0.247063	9.939625		29
32	9.692785		9.753231		0.246769	9.939554		28
33	9.693008		9.753526		0.246474	9.939482		27
34	9.693231		9.753820		0.246180	9.939410		26
35	9.693453		9.754115		0.245885	9.939339		25
36	9.693676	3.70	9.754409	4.90	0.245591	9.939267	1.20	24
37	9.693898		9.754703		0.245297	9.939195		23
38	9.694120		9.754997		0.245003	9.939123		22
39	9.694342		9.755291		0.244709	9.939052		21
40	9.694564		9.755585		0.244415	9.938980		20
41	9.694786	3.69	9.755878	4.89	0.244122	9.938908		19
42	9.695007		9.756172		0.243828	9.938836		18
43	9.695229		9.756465		0.243535	9.938763		17
44	9.695450		9.756759		0.243241	9.938691		16
45	9.695671		9.757052		0.242948	9.938619		15
46	9.695892	3.68	9.757345	4.88	0.242655	9.938547		14
47	9.696113		9.757638		0.242362	9.938475		13
48	9.696334		9.757931		0.242069	9.938402		12
49	9.696554		9.758224		0.241776	9.938330		11
50	9.696775		9.758517		0.241483	9.938258		10
51	9.696995	3.66	9.758810	4.87	0.241190	9.938185	1.21	9
52	9.697215		9.759102		0.240898	9.938113		8
53	9.697435		9.759395		0.240605	9.938040		7
54	9.697654		9.759687		0.240313	9.937967		6
55	9.697874		9.759979		0.240021	9.937895		5
56	9.698094		9.760272		0.239728	9.937822		4
57	9.698313	3.65	9.760564		0.239436	9.937749		3
58	9.698532		9.760856		0.239144	9.937676		2
59	9.698751		9.761148		0.238852	9.937604		1
60	9.698970		9.761439		0.238561	9.937531		0
	Cosin. 60		Cotang. 60		Tang. 60	Sin. 60		′

′	Sin. 30	1″	Tang. 30	1″	Colang. 30	Cosin. 30	1″	
0	9.698970		9.761439		0.238561	9.937531		60
1	9.699189		9.761731	4.86	0.238269	9.937468	1.22	59
2	9.699407	3.64	9.762023		0.237977	9.937385		58
3	9.699626		9.762314		0.237686	9.937312		57
4	9.699844		9.762606		0.237394	9.937238		56
5	9.700062		9.762897		0.237103	9.937165		55
6	9.700280	3.63	9.763188	4.85	0.236812	9.937092		54
7	9.700498		9.763479		0.236521	9.937019		53
8	9.700716		9.763770		0.236230	9.936946		52
9	9.700933		9.764061		0.235939	9.936872		51
10	9.701151		9.764352		0.235648	9.936799		50
11	9.701368	3.62	9.764643	4.84	0.235357	9.936725	1.23	49
12	9.701585		9.764933		0.235067	9.936652		48
13	9.701802		9.765224		0.234776	9.936578		47
14	9.702019		9.765514		0.234486	9.936505		46
15	9.702236		9.765805		0.234195	9.936431		45
16	9.702452	3.60	9.766095	4.83	0.233905	9.936357		44
17	9.702669		9.766385		0.233615	9.936284		43
18	9.702885		9.766675		0.233325	9.936210		42
19	9.703101		9.766965		0.233035	9.936136		41
20	9.703317		9.767255		0.232745	9.936062		40
21	9.703533	3.59	9.767545		0.232455	9.935988		39
22	9.703749		9.767834		0.232166	9.935914		38
23	9.703964		9.768124		0.231876	9.935840		37
24	9.704179		9.768414		0.231586	9.935766		36
25	9.704395		9.768703		0.231297	9.935692		35
26	9.704610	3.58	9.768992	4.82	0.231008	9.935618	1.24	34
27	9.704825		9.769281		0.230719	9.935543		33
28	9.705040		9.769571		0.230429	9.935469		32
29	9.705254		9.769860		0.230140	9.935395		31
30	9.705469		9.770148		0.229852	9.935320		30
31	9.705683	3.57	9.770437	4.81	0.229563	9.935246		29
32	9.705898		9.770726		0.229274	9.935171		28
33	9.706112		9.771015		0.228985	9.935097		27
34	9.706326		9.771303		0.228697	9.935022		26
35	9.706539		9.771592		0.228408	9.934948		25
36	9.706753	3.56	9.771880	4.80	0.228120	9.934873	1.25	24
37	9.706967		9.772168		0.227832	9.934798		23
38	9.707180		9.772457		0.227543	9.934723		22
39	9.707393		9.772745		0.227255	9.934649		21
40	9.707606		9.773033		0.226967	9.934574		20
41	9.707819	3.55	9.773321	4.79	0 226679	9.934499		19
42	9.708032		9.773608		0.226392	9.934424		18
43	9.708245		9.773896		0.226104	9.934349		17
44	9.708458		9.774184		0,225816	9.934274		16
45	9.708670		9.774471		0.225529	9.934199		15
46	9.708882	3.53	9.774759		0.225241	9.934123		14
47	9.709094		9.775046		0.224954	9.934048	1.26	13
48	9.709306		9.775333		0.224667	9.933973		12
49	9.709518		9.775621		0.224379	9.933898		11
50	9.709730		9.775908		0.224092	9.933822		10
51	9.709941	3.52	9.776195	4.78	0.223805	9.933747		9
52	9.710153		9.776482		0.223518	9.933671		8
53	9.710364		9.776768		0.223232	9.933596		7
54	9.710575		9.777055		0.222945	9.933520		6
55	9.710786		9.777342		0.222658	9.933445		5
56	9.710997		9.777628		0.222372	9.933369		4
57	9.711208	3.51	9.777915	4.77	0,222085	9.933293		3
58	9.711419		9.778201		0.221799	9.933217		2
59	9.711629		9.778488		0.221512	9.933141		1
60	9.711839		9.778774		0,221226	9.933066		0
	Cosin. 59		Colang. 59		Tang. 59	Sin. 59		′

′	Sin. 31	1″	Tang. 31	1″	Cotang. 31	Cosin. 31	1″	
0	9.711839		9.778774		0.221226	9.933066		60
1	9.712050		9.779060		0.220940	9.932990		59
2	9.712260	3.50	9.779346	4.76	0.220654	9.932914	1.27	58
3	9.712469		9.779632		0.220368	9.932838		57
4	9.712679		9.779918		0.220082	9.932762		56
5	9.712889		9.780203		0.219797	9.932685		55
6	9.713098	3.49	9.780489		0.219511	9.932609		54
7	9.713308		9.780775		0.219225	9.932533		53
8	9.713517		9.781060		0.218940	9.932457		52
9	9.713726		9.781346		0.218654	9.932380		51
10	9.713935		9.781631		0.218369	9.932304		50
11	9.714144	3.48	9.781916	4.75	0.218084	9.932228	1.28	49
12	9.714352		9.782201		0.217799	9.932151		48
13	9.714561		9.782486		0.217514	9.932075		47
14	9.714769		9.782771		0.217229	9.931998		46
15	9.714978		9.783056		0.216944	9.931921		45
16	9.715186	3.46	9.783341	4.74	0.216659	9.931845		44
17	9.715394		9.783626		0.216374	9.931768		43
18	9.715602		9.783910		0.216090	9.931691		42
19	9.715809		9.784195		0.215805	9.931614		41
20	9.716017		9.784479		0.215521	9.931537		40
21	9.716224	3.45	9.784764	4.73	0.215236	9.931460		39
22	9.716432		9.785048		0.214952	9.931383		38
23	9.716639		9.785332		0.214668	9.931306		37
24	9.716846		9.785616		0.214384	9.931229		36
25	9.717053		9.785900		0.214100	9.931152		35
26	9.717259	3.44	9.786184		0.213816	9.931075	1.29	34
27	9.717466		9.786468		0.213532	9.930998		33
28	9.717673		9.786752		0.213248	9.930921		32
29	9.717879		9.787036		0.212964	9.930843		31
30	9.718085		9.787319		0.212681	9.930766		30
31	9.718291	3.43	9.787603	4.72	0.212397	9.930688		29
32	9.718497		9.787886		0.212114	9.930611		28
33	9.718703		9.788170		0.211830	9.930533		27
34	9.718909		9.788453		0.211547	9.930456		26
35	9.719114		9.788736		0.211264	9.930378		25
36	9.719320	3.42	9.789019		0.210981	9.930300	1.30	24
37	9.719525		9.789302		0.210698	9.930223		23
38	9.719730		9.789585		0.210415	9.930145		22
39	9.719935		9.789868		0.210132	9.930067		21
40	9.720140		9.790151		0.209849	9.929989		20
41	9.720345	3.41	9.790434	4.71	0.209566	9.929911		19
42	9.720549		9.790716		0.209284	9.929833		18
43	9.720754		9.790999		0.209001	9.929755		17
44	9.720958		9.791281		0.208719	9.929677		16
45	9.721162		9.791563		0.208437	9.929599		15
46	9.721366	3.40	9.791846	4.70	0.208154	9.929521	1.31	14
47	9.721570		9.792128		0.207872	9.929442		13
48	9.721774		9.792410		0.207590	9.929364		12
49	9.721978		9.792692		0.207308	9.929286		11
50	9.722181		9.792974		0.207026	9.929207		10
51	9.722385	3.39	9.793256	4.69	0.206744	9.929129		9
52	9.722588		9.793538		0.206462	9.929050		8
53	9.722791		9.793819		0.206181	9.928972		7
54	9.722994		9.794101		0.205899	9.928893		6
55	9.723197		9.794383		0.205617	9.928815		5
56	9.723400	3.38	9.794664		0.205336	9.928736	1.32	4
57	9.723603		9.794946		0.205054	9.928657		3
58	9.723805		9.795227		0.204773	9.928578		2
59	9.724007		9.795508		0.204492	9.928499		1
60	9.724210		9.795789		0.204211	9.928420		0
	Cosin. 58		Cotang. 58		Tang. 58	Sin. 58		′

′	Sin. 32	1″	Tang. 32	1″	Cotang. 32	Cosin. 32	1″	
0	9.724210		9.795789		0.204211	9.928420		60
1	9.724412		9.796070		0.203930	9.928342		59
2	9.724614		9.796351	4.68	0.203649	9.928263	1.32	58
3	9.724816	3.36	9.796632		0.203368	9.928183		57
4	9.725017		9.796913		0.203087	9.928104		56
5	9.725219		9.797194		0.202806	9.928025		55
6	9.725420		9.797474	4.67	0.202525	9.927946		54
7	9.725622	3.35	9.797755		0.202245	9.927867		53
8	9.725823		9.798036		0.201964	9.927787		52
9	9.726024		9.798316		0.201684	9.927708		51
10	9.726225		9.798596		0.201404	9.927629		50
11	9.726426		9.798877		0.201123	9.927549		49
12	9.726626	3.34	9.799157		0.200843	9.927470	1.33	48
13	9.726827		9.799437		0.200563	9.927390		47
14	9.727027		9.799717		0.200283	9.927310		46
15	9.727228		9.799997		0.200003	9.927231		45
16	9.727428		9.800277	4.66	0.199723	9.927151		44
17	9.727628	3.33	9.800557		0.199443	9.927071		43
18	9.727828		9.800836		0.199164	9.926991		42
19	9.728027		9.801116		0.198884	9.926911		41
20	9.728227		9.801396		0.198604	9.926831		40
21	9.728427		9.801675	4.65	0.198325	9.926751		39
22	9.728626	3.32	9.801955		0.198045	9.926671		38
23	9.728825		9.802234		0.197766	9.926591		37
24	9.729024		9.802513		0.197487	9.926511		36
25	9.729223		9.802792		0.197208	9.926431		35
26	9.729422		9.803072		0.196928	9.926351		34
27	9.729621	3.31	9.803351		0.196649	9.926270	1.34	33
28	9.729820		9.803630		0.196370	9.926190		32
29	9.730018		9.803909		0.196091	9.926110		31
30	9.730217		9.804187		0.195813	9.926029		30
31	9.730415		9.804466	4.64	0.195534	9.925949		29
32	9.730613	3.30	9.804745		0.195255	9.925868		28
33	9.730811		9.805023		0.194977	9.925788		27
34	9.731009		9.805302		0.194698	9.925707		26
35	9.731206		9.805580		0.194420	9.925626		25
36	9.731404		9.805859		0.194141	9.925545		24
37	9.731602	3.29	9.806137		0.193863	9.925465	1.35	23
38	9.731799		9.806415		0.193585	9.925384		22
39	9.731996		9.806693		0.193307	9.925303		21
40	9.732193		9.806971		0.193029	9.925222		20
41	9.732390		9.807249	4.63	0.192751	9.925141		19
42	9.732587	3.28	9.807527		0.192473	9.925060		18
43	9.732784		9.807805		0.192195	9.924979		17
44	9.732980		9.808083		0.191917	9.924897		16
45	9.733177		9.808361		0.191639	9.924816		15
46	9.733373		9.808638	4.62	0.191362	9.924735		14
47	9.733569	3.27	9.808916		0.191084	9.924654	1.36	13
48	9.733765		9.809193		0.190807	9.924572		12
49	9.733961		9.809471		0.190529	9.924491		11
50	9.734157		9.809748		0.190252	9 924409		10
51	9.734353		9.810025		0.189975	9 924328		9
52	9.734548	3.26	9.810302		0.189698	9 924246		8
53	9.734744		9.810580		0.189420	9 924164		7
54	9.734939		9.810857		0.189143	9.924083		6
55	9.735135		9.811134		0.188866	9.924001		5
56	9.735330		9.811410		0.188590	9.923919		4
57	9.735525	3.25	9.811687	4.61	0.188313	9.923837	1.37	3
58	9.735719		9.811964		0.188036	9.923755		2
59	9.735914		9.812241		0.187759	9.923673		1
60	9.736109		9.812517		0.187483	9.923591		0
′	Cosin. 57		Cotang. 57		Tang. 57	Sin. 57		′

′	Sin. 33	1″	Tang. 33	1″	Cotang. 33	Cosin. 33	1″	
0	9.736109		9.812517		0.187483	9.923591		60
1	9.736303	3.24	9.812794	4.61	0.187206	9.923509	1.37	59
2	9.736498		9.813070		0.186930	9.923427		58
3	9.736692		9.813347		0.186653	9.923345		57
4	9.736886		9.813623		0.186377	9.923263		56
5	9.737080		9.813899		0.186101	9.923181		55
6	9.737274	3.23	9.814176	4.60	0.185824	9.923098	1.38	54
7	9.737467		9.814452		0.185548	9.923016		53
8	9.737661		9.814728		0.185272	9.922933		52
9	9.737855		9.815004		0.184996	9.922851		51
10	9.738048		9.815280		0.184720	9.922768		50
11	9.738241	3.22	9.815555	4.59	0.184445	9.922686		49
12	9.738434		9.815831		0.184169	9.922603		48
13	9.738627		9.816107		0.183893	9.922520		47
14	9.738820		9.816382		0.183618	9.922438		46
15	9.739013		9.816658		0.183342	9.922355		45
16	9.739206	3.21	9.816933		0.183067	9.922272		44
17	9.739398		9.817209		0.182791	9.922189		43
18	9.739590		9.817484		0.182516	9.922106		42
19	9.739783		9.817759		0.182241	9.922023		41
20	9.739975		9.818035		0.181965	9.921940		40
21	9.740167	3.20	9.818310	4.58	0.181690	9.921857	1.39	39
22	9.740359		9.818585		0.181415	9.921774		38
23	9.740550		9.818860		0.181140	9.921691		37
24	9.740742		9.819135		0.180865	9.921607		36
25	9.740934		9.819410		0.180590	9.921524		35
26	9.741125	3.19	9.819684		0.180316	9.921441		34
27	9.741316		9.819959		0.180041	9.921357		33
28	9.741508		9.820234		0.179766	9.921274		32
29	9.741699		9.820508		0.179492	9.921190		31
30	9.741889		9.820783		0.179217	9.921107		30
31	9.742080	3.18	9.821057	4.57	0.178943	9.921023	1.40	29
32	9.742271		9.821332		0.178668	9.920939		28
33	9.742462		9.821606		0.178394	9.920856		27
34	9.742652		9.821880		0.178120	9.920772		26
35	9.742842		9.822154		0.177846	9.920688		25
36	9.743033	3.17	9.822429		0.177571	9.920604		24
37	9.743223		9.822703		0.177297	9.920520		23
38	9.743413		9.822977		0.177023	9.920436		22
39	9.743602		9.823251		0.176749	9.920352		21
40	9.743792		9.823524		0.176476	9.920268		20
41	9.743982	3.16	9.823798	4.56	0.176202	9.920184		19
42	9.744171		9.824072		0.175928	9.920099		18
43	9.744361		9.824345		0.175655	9.920015		17
44	9.744550		9.824619		0.175381	9.919931		16
45	9.744739		9.824893		0.175107	9.919846		15
46	9.744928	3.15	9.825166	4.55	0.174834	9.919762	1.41	14
47	9.745117		9.825439		0.174561	9.919677		13
48	9.745306		9.825713		0.174287	9.919593		12
49	9.745494		9.825986		0.174014	9.919508		11
50	9.745683		9.826259		0.173741	9.919424		10
51	9.745871	3.14	9.826532		0.173468	9.919339		9
52	9.746060		9.826805		0.173195	9.919254		8
53	9.746248		9.827078		0.172922	9.919169		7
54	9.746436		9.827351		0.172649	9.919085		6
55	9.746624		9.827624		0.172376	9.919000		5
56	9.746812		9.827897		0.172103	9.918915		4
57	9.746999		9.828170		0.171830	9.918830		3
58	9.747187	3.13	9.828442	4.54	0.171558	9.918745	1.42	2
59	9.747374		9.828715		0.171285	9.918659		1
60	9.747562		9.828987		0.171013	9.918574		0
′	Cosin. 56		Cotang. 56		Tang. 56	Sin. 56		′

′	Sin. 34	1″	Tang. 34	1″	Cotang. 34	Cosin. 34	1″	
0	9.747562		9.828987		0.171013	9.918574		60
1	9.747749		9.829260	4.54	0.170740	9.918489	1.42	59
2	9.747936	3.12	9.829532		0.170468	9.918404		58
3	9.748123		9.829805		0.170195	9.918318		57
4	9.748310		9.830077		0.169923	9.918233		56
5	9.748497		9.830349		0.169651	9.918147		55
6	9.748683	3.11	9.830621	4.53	0.169379	9.918062		54
7	9.748870		9.830893		0.169107	9.917976	1.43	53
8	9.749056		9.831165		0.168835	9.917891		52
9	9.749243		9.831437		0.168563	9.917805		51
10	9.749429		9.831709		0.168291	9.917719		50
11	9.749615	3.10	9.831981		0.168019	9.917634		49
12	9.749801		9.832253		0.167747	9.917548		48
13	9.749987		9.832525		0.167475	9.917462		47
14	9.750172		9.832796		0.167204	9.917376		46
15	9.750358		9.833068		0.166932	9.917290		45
16	9.750543	3.09	9.833339	4.52	0.166661	9.917204	1.44	44
17	9.750729		9.833611		0.166389	9.917118		43
18	9.750914		9.833882		0.166118	9.917032		42
19	9.751099		9.834154		0.165846	9.916946		41
20	9.751284		9.834425		0.165575	9.916859		40
21	9.751469	3.08	9.834696		0.165304	9.916773		39
22	9.751654		9.834967		0.165033	9.916687		38
23	9.751839		9.835238		0.164762	9.916600		37
24	9.752023		9.835509		0.164491	9.916514		36
25	9.752208		9.835780		0.164220	9.916427		35
26	9.752392	3.07	9.836051	4.51	0.163949	9.916341		34
27	9.752576		9.836322		0.163678	9.916254		33
28	9.752760		9.836593		0.163407	9.916167		32
29	9.752944		9.836864		0.163136	9.916081		31
30	9.753128		9.837134		0.162866	9.915994		30
31	9.753312	3.05	9.837405		0.162595	9.915907	1.45	29
32	9.753495		9.837675		0.162325	9.915820		28
33	9.753679		9.837946		0.162054	9.915733		27
34	9.753862		9.838216		0.161784	9.915646		26
35	9.754046		9.838487		0.161513	9.915559		25
36	9.754229		9.838757	4.50	0.161243	9.915472		24
37	9.754412		9.839027		0.160973	9.915385		23
38	9.754595		9.839297		0.160703	9.915297		22
39	9.754778		9.839568		0.160432	9.915210		21
40	9.754960		9.839838		0.160162	9.915123		20
41	9.755143	3.04	9.840108		0.159892	9.915035	1.46	19
42	9.755326		9.840378		0.159622	9.914948		18
43	9.755508		9.840648		0.159352	9.914860		17
44	9.755690		9.840917		0.159083	9.914773		16
45	9.755872		9.841187		0.158813	9.914685		15
46	9.756054	3.03	9.841457	4.49	0.158543	9.914598		14
47	9.756236		9.841727		0.158273	9.914510		13
48	9.756418		9.841996		0.158004	9.914422		12
49	9.756600		9.842266		0.157734	9.914334		11
50	9.756782		9.842535		0.157465	9.914246		10
51	9.756963	3.02	9.842805		0.157195	9.914158	1.47	9
52	9.757144		9.843074		0.156926	9.914070		8
53	9.757326		9.843343		0.156657	9.913982		7
54	9.757507		9.843612		0.156388	9.913894		6
55	9.757688		9.843882		0.156118	9.913806		5
56	9.757869		9.844151		0.155849	9.913718		4
57	9.758050	3.01	9.844420	4.48	0.155580	9.913630		3
58	9.758230		9.844689		0.155311	9.913541		2
59	9.758411		9.844958		0.155042	9.913453		1
60	9.758591		9.845227		0.154773	9.913365		0
′	Cosin. 55		Cotang. 55		Tang. 55	Sin 55		′

′	Sin. 35	I″	Tang. 35	I″	Cotang. 35	Cosin. 35	I″	′
0	9.758591		9.845227		0.154773	9.913365		60
1	9.758772	3.00	9.845496	4.48	0.154504	9.913276	1.48	59
2	9.758952		9.845764		0.154236	9.913187		58
3	9.759132		9.846033		0.153967	9.913099		57
4	9.759312		9.846302		0.153698	9.913010		56
5	9.759492		9.846570		0.153430	9.912922		55
6	9.759672	2.99	9.846839		0.153161	9.912833		54
7	9.759852		9.847108		0.152892	9.912744		53
8	9.760031		9.847376		0.152624	9.912655		52
9	9.760211		9.847644		0.152356	9.912566		51
10	9.760390		9.847913		0.152087	9.912477		50
11	9.760569	2.98	9.848181	4.47	0.151819	9.912388	1.49	49
12	9.760748		9.848449		0.151551	9.912299		48
13	9.760927		9.848717		0.151283	9.912210		47
14	9.761106		9.848986		0.151014	9.912121		46
15	9.761285		9.849254		0.150746	9.912031		45
16	9.761464	2.97	9.849522	4.46	0.150478	9.911942		44
17	9.761642		9.849790		0.150210	9.911853		43
18	9.761821		9.850057		0.149942	9.911763		42
19	9.761999		9.850325		0.149675	9.911674		41
20	9.762177		9.850593		0.149407	9.911584		40
21	9.762356		9.850861		0.149139	9.911495		39
22	9.762534		9.851129		0.148871	9.911405		38
23	9.762712		9.851396		0.148604	9.911315		37
24	9.762889		9.851664		0.148336	9.911226		36
25	9.763067		9.851931		0.148069	9.911136		35
26	9.763245	2.96	9.852199		0.147801	9.911046		34
27	9.763422		9.852466		0.147534	9.910956	1.50	33
28	9.763600		9.852733		0.147267	9.910866		32
29	9.763777		9.853001		0.146999	9.910776		31
30	9.763954		9.853268		0.146732	9.910686		30
31	9.764131		9.853535	4.45	0.146465	9.910596		29
32	9.764308	2.95	9.853802		0.146198	9.910506		28
33	9.764485		9.854069		0.145931	9.910415		27
34	9.764662		9.854336		0.145664	9.910325		26
35	9.764838		9.854603		0.145397	9.910235		25
36	9.765015	2.94	9.854870		0.145130	9.910144		24
37	9.765191		9.855137		0.144863	9.910054	1.51	23
38	9.765367		9.855404		0.144596	9.909963		22
39	9.765544		9.855671		0.144329	9.909873		21
40	9.765720		9.855938		0.144062	9.909782		20
41	9.765896	2.93	9.856204	4.44	0.143796	9.909691		19
42	9.766072		9.856471		0.143529	9.909601		18
43	9.766247		9.856737		0.143263	9.909510		17
44	9.766423		9.857004		0.142996	9.909419		16
45	9.766598		9.857270		0.142730	9.909328		15
46	9.766774	2.92	9.857537		0.142463	9.909237		14
47	9.766949		9.857803		0.142197	9.909146	1.52	13
48	9.767124		9.858069		0.141931	9.909055		12
49	9.767300		9.858336		0.141664	9.908964		11
50	9.767475		9.858602		0.141398	9.908873		10
51	9.767649		9.858868	4.43	0.141132	9.908781		9
52	9.767824	2.91	9.859134		0.140866	9.908690		8
53	9.767999		9.859400		0.140600	9.908599		7
54	9.768173		9.859666		0.140334	9.908507		6
55	9.768348		9.859932		0.140068	9.908416		5
56	9.768522		9.860198		0.139802	9.908324		4
57	9.768697	2.90	9.860464		0.139536	9.908233		3
58	9.768871		9.860730		0.139270	9.908141	1.53	2
59	9.769045		9.860995		0.139005	9.908049		1
60	9.769219		9.861261		0.138739	9.907958		0
′	Cosin. 54		Cotang. 54		Tang. 54	Sin. 54		′

′	Sin. 36	1″	Tang. 36	1″	Cotang. 36	Cosin. 36	1″	
0	9.769219		9.861261		0.138739	9.907958		60
1	9.769393	2.89	9.861527	4.43	0.138473	9.907866	1.53	59
2	9.769566		9.861792		0.138208	9.907774		58
3	9.769740		9.862058		0.137942	9.907682		57
4	9.769913		9.862323		0.137677	9.907590		56
5	9.770087		9.862589		0.137411	9.907498		55
6	9.770260	2.88	9.862854	4.42	0.137146	9.907406		54
7	9.770433		9.863119		0.136881	9.907314		53
8	9.770606		9.863385		0.136615	9.907222		52
9	9.770779		9.863650		0.136350	9.907129		51
10	9.770952		9.863915		0.136085	9.907037		50
11	9.771125		9.864180		0.135820	9.906945	1.54	49
12	9.771298		9.864445		0.135555	9.906852		48
13	9.771470		9.864710		0.135290	9.906760		47
14	9.771643		9.864975		0.135025	9.906667		46
15	9.771815		9.865240		0.134760	9.906575		45
16	9.771987	2.87	9.865505	4.41	0.134495	9.906482	1.55	44
17	9.772159		9.865770		0.134230	9.906389		43
18	9.772331		9.866035		0.133965	9.906296		42
19	9.772503		9.866300		0.133700	9.906204		41
20	9.772675		9.866564		0.133436	9.906111		40
21	9.772847	2.86	9.866829		0.133171	9.906018		39
22	9.773018		9.867094		0.132906	9.905925		38
23	9.773190		9.867358		0.132642	9.905832		37
24	9.773361		9.867623		0.132377	9.905739		36
25	9.773533		9.867887		0.132113	9.905645		35
26	9.773704	2.85	9.868152		0.131848	9.905552		34
27	9.773875		9.868416		0.131584	9.905459		33
28	9.774046		9.868680		0.131320	9.905366		32
29	9.774217		9.868945		0.131055	9.905272		31
30	9.774388		9.869209		0.130791	9.905179		30
31	9.774558	2.84	9.869473	4.40	0.130527	9.905085	1.56	29
32	9.774729		9.869737		0.130263	9.904992		28
33	9.774899		9.870001		0.129999	9.904898		27
34	9.775070		9.870265		0.129735	9.904804		26
35	9.775240		9.870529		0.129471	9.904711		25
36	9.775410	2.83	9.870793		0.129207	9.904617	1.57	24
37	9.775580		9.871057		0.128943	9.904523		23
38	9.775750		9.871321		0.128679	9.904429		22
39	9.775920		9.871585		0.128415	9.904335		21
40	9.776090		9.871849		0.128151	9.904241		20
41	9.776259	2.82	9.872112	4.39	0.127888	9.904147		19
42	9.776429		9.872376		0.127624	9.904053		18
43	9.776598		9.872640		0.127360	9.903959		17
44	9.776767		9.872903		0.127097	9.903864		16
45	9.776937		9.873167		0.126833	9.903770		15
46	9.777106	2.81	9.873430		0.126570	9.903676		14
47	9.777275		9.873694		0.126306	9.903581		13
48	9.777444		9.873957		0.126043	9.903487		12
49	9.777613		9.874220		0.125780	9.903392		11
50	9.777781		9.874484		0.125516	9.903298	1.58	10
51	9.777950		9.874747		0.125253	9.903203		9
52	9.778119		9.875010		0.124990	9.903108		8
53	9.778287		9.875273		0.124727	9.903014		7
54	9.778455		9.875537		0.124463	9.902919		6
55	9.778624		9.875800		0.124200	9.902824		5
56	9.778792		9.876063		0.123937	9.902729		4
57	9.778960	2.80	9.876326	4.38	0.123674	9.902634		3
58	9.779128		9.876589		0.123411	9.902539		2
59	9.779295		9.876852		0.123148	9.902444		1
60	9.779463		9.877114		0.122886	9.902349		0
′	Cosin. 53		Cotang. 53		Tang. 53	Sin. 53		′

′	Sin. 37	1″	Tang. 37	1″	Cotang. 37	Cosin. 37	1″	
0	9.779463		9.877114		0.122886	9.902349		60
1	9.779631	2.79	9.877377	4.38	0.122623	9.902253	1.59	59
2	9.779798		9.877640		0.122360	9.902158		58
3	9.779966		9.877903		0.122097	9.902063		57
4	9.780133		9.878165		0.121835	9.901967		56
5	9.780300		9.878428		0.121572	9.901872		55
6	9.780467	2.78	9.878691		0.121309	9.901776		54
7	9.780634		9.878953		0.121047	9.901681		53
8	9.780801		9.872916		0.120784	9.901585		52
9	9.780968		9.879478		0.120522	9.901490		51
10	9.781134		9.879741		0.120259	9.901394		50
11	9.781301	2.77	9.880003	4.37	0.119997	9.901298	1.60	49
12	9.781468		9.880265		0.119735	9.901202		48
13	9.781634		9.880528		0.119472	9.901106		47
14	9.781800		9.880790		0.119210	9.901010		46
15	9.781966		9.881052		0.118948	9.900914		45
16	9.782132		9.881314		0.118686	9.900818		44
17	9.782298		9.881577		0.118423	9.900722		43
18	9.782464		9.881839		0.118161	9.900626		42
19	9.782630		9.882101		0.117899	9.900529		41
20	9.782796		9.882363		0.117637	9.900433		40
21	9.782961	2.76	9.882625	4.36	0.117375	9.900337	1.61	39
22	9.783127		9.882887		0.117113	9.900240		38
23	9.783292		9.883148		0.116852	9.900144		37
24	9.783458		9.883410		0.116590	9.900047		36
25	9.783623		9.883672		0.116328	9.899951		35
26	9.783788	2.75	9.883934		0.116066	9.899854		34
27	9.783953		9.884196		0.115804	9.899757		33
28	9.784118		9.884457		0.115543	9.899660		32
29	9.784282		9.884719		0.115281	9.899564		31
30	9.784447		9.884980		0.115020	9.899467		30
31	9.784612	2.74	9.885242		0.114758	9.899370	1.62	29
32	9.784776		9.885504		0.114496	9.899273		28
33	9.784941		9.885765		0.114235	9.899176		27
34	9.785105		9.886026		0.113974	9.899078		26
35	9.785269		9.886288		0.113712	9.898981		25
36	9.785433	2.73	9.886549	4.35	0.113451	9.898884		24
37	9.785597		9.886811		0.113189	9.898787		23
38	9.785761		9.887072		0.112928	9.898689		22
39	9.785925		9.887333		0.112667	9.898592		21
40	9.786089		9.887594		0.112406	9.898494		20
41	9.786252	2.72	9.887855		0.112145	9.898397	1.63	19
42	9.786416		9.888116		0.111884	9.898299		18
43	9.786579		9.888378		0.111622	9.898202		17
44	9.786742		9.888639		0.111361	9.898104		16
45	9.786906		9.888900		0.111100	9.898006		15
46	9.787069	2.71	9.889161		0.110839	9.897908		14
47	9.787232		9.889421		0.110579	9.897810		13
48	9.787395		9.889682		0.110318	9.897712		12
49	9.787557		9.889943		0.110057	9.897614		11
50	9.787720		9.890204		0.109796	9.897516		10
51	9.787883		9.890465	4.34	0.109535	9.897418	1.64	9
52	9.788045		9.890725		0.109275	9.897320		8
53	9.788208		9.890986		0.109014	9.897222		7
54	9.788370		9.891247		0.108753	9.897123		6
55	9.788532		9.891507		0.108493	9.897025		5
56	9.788694		9.891768		0.108232	9.896926		4
57	9.788856		9.892028		0.107972	9.896828		3
58	9.789018	2.70	9.892289		0.107711	9.896729		2
59	9.789180		9.892549		0.107451	9.896631		1
60	9.789342		9.892810		0.107190	9.896532		0
	Cosin. 52		Cotang. 52		Tang. 52	Sin. 52		′

′	Sin. 38	1″	Tang. 38	1″	Cotang. 38	Cosin. 38	1″	
0	9.789342		9.892810		0.107190	9.896532		60
1	9.789504		9.893070	4.34	0.106930	9.896433	1.65	59
2	9.789665		9.893331		0.106669	9.896335		58
3	9.789827	2.69	9.893591		0.106409	9.896236		57
4	9.789988		9.893851		0.106149	9.896137		56
5	9.790149		9.894111		0.105889	9.896038		55
6	9.790310		9.894372		0.105628	9.895939		54
7	9.790471		9.894632		0.105368	9.895840		53
8	9.790632	2.68	9.894892		0.105108	9.895741		52
9	9.790793		9.895152		0.104848	9.895641		51
10	9.790954		9.895412		0.104588	9.895542		50
11	9.791115		9.895672	4.33	0.104328	9.895443		49
12	9.791275		9.895932		0.104068	9.895343		48
13	9.791436		9.896192		0.103808	9.895244		47
14	9.791596		9.896452		0.103548	9.895145		46
15	9.791757		9.896712		0.103288	9.895045		45
16	9.791917		9.896971		0.103029	9.894945	1.66	44
17	9.792077		9.897231		0.102769	9.894846		43
18	9.792237	2.67	9.897491		0.102509	9.894746		42
19	9.792397		9.897751		0.102249	9.894646		41
20	9.792557		9.898010		0.101990	9.894546		40
21	9.792716		9.898270		0.101730	9.894446		39
22	9.792876		9.898530		0.101470	9.894346		38
23	9.793035	2.66	9.898789		0.101211	9.894246	1.67	37
24	9.793195		9.899049		0.100951	9.894146		36
25	9.793354		9.899308		0.100692	9.894046		35
26	9.793514		9.899568		0.100432	9.893946		34
27	9.793673		9.899827		0.100173	9.893846		33
28	9.793832	2.65	9.900087		0.099913	9.893745		32
29	9.793991		9.900346		0.099654	9.893645		31
30	9.794150		9.900605		0.099395	9.893544		30
31	9.794308		9.900864	4.32	0.099136	9.893444	1.68	29
32	9.794467		9.901124		0.098876	9.893343		28
33	9.794626	2.64	9.901383		0.098617	9.893243		27
34	9.794784		9.901642		0.098358	9.893142		26
35	9.794942		9.901901		0.098099	9.893041		25
36	9.795101		9.902160		0.097840	9.892940		24
37	9.795259		9.902420		0.097580	9.892839		23
38	9.795417	2.63	9.902679		0.097321	9.892739		22
39	9.795575		9.902938		0.097062	9.892638		21
40	9.795733		9.903197		0.096803	9.892536		20
41	9.795891		9.903456	4.31	0.096544	9.892435		19
42	9.796049		9.903714		0.096286	9.892334	1.69	18
43	9.796206		9.903973		0.096027	9.892233		17
44	9.796364		9.904232		0.095768	9.892132		16
45	9.796521		9.904491		0.095509	9.892030		15
46	9.796679		9.904750		0.095250	9.891929		14
47	9.796836	2.62	9.905009		0.094991	9.891827		13
48	9.796993		9.905267		0.094733	9.891726		12
49	9.797150		9.905526		0.094474	9.891624		11
50	9.797307		9.905785		0.094215	9.891523		10
51	9.797464		9.906043		0.093957	9.891421		9
52	9.797621	2.61	9.906302		0.093698	9.891319	1.70	8
53	9.797777		9.906560		0.093440	9.891217		7
54	9.797934		9.906819		0.093181	9.891115		6
55	9.798091		9.907077		0.092923	9.891013		5
56	9.798247		9.907336		0.092664	9.890911		4
57	9.798403	2.60	9.907594		0.092406	9.890809		3
58	9.798560		9.907853		0.092147	9.890707		2
59	9.798716		9.908111		0.091889	9.890605		1
60	9.798872		9.908369		0.091631	9.890503		0
	Cosin. 51		Cotang. 51		Tang. 51	Sin. 51		′

′	Sin. 39	I″	Tang. 39	I″	Cotang. 39	Cosin. 39	I″	′
0	9.798872		9.908369		0.091631	9.890503		60
1	9.799028	2.60	9.908628	4.30	0.091372	9.890400	1.71	59
2	9.799184		9.908886		0.091114	9.890298		58
3	9.799339		9.909144		0.090856	9.890195		57
4	9.799495		9.909402		0.090598	9.890093		56
5	9.799651	2.59	9.909660		0.090340	9.889990		55
6	9.799806		9.909918		0.090082	9.889888		54
7	9.799962		9.910177		0.089823	9.889785		53
8	9.800117		9.910435		0.089565	9.889682		52
9	9.800272		9.910693		0.089307	9.889579		51
10	9.800427	2.58	9.910951		0.089049	9.889477	1.72	50
11	9.800582		9.911209		0.088791	9.889374		49
12	9.800737		9.911467		0.088533	9.889271		48
13	9.800892		9.911725		0.088275	9.889168		47
14	9.801047		9.911982		0.088018	9.889064		46
15	9.801201	2.57	9.912240		0.087760	9.888961		45
16	9.801356		9.912498		0.087502	9.888858		44
17	9.801511		9.912756		0.087244	9.888755		43
18	9.801665		9.913014		0.086986	9.888651		42
19	9.801819		9.913271		0.086729	9.888548		41
20	9.801973	2.56	9.913529	4.29	0.086471	9.888444	1.73	40
21	9.802128		9.913787		0.086213	9.888341		39
22	9.802282		9.914044		0.085956	9.888237		38
23	9.802436		9.914302		0.085698	9.888134		37
24	9.802589		9.914560		0.085440	9.888030		36
25	9.802743	2.55	9.914817		0.085183	9.887926		35
26	9.802897		9.915075		0.084925	9.887822		34
27	9.803050		9.915332		0.084668	9.887718		33
28	9.803204		9.915590		0.084410	9.887614		32
29	9.803357		9.915847		0.084153	9.887510		31
30	9.803511	2.54	9.916104		0.083896	9.887406	1.74	30
31	9.803664		9.916362		0.083638	9.887302		29
32	9.803817		9.916619		0.083381	9.887198		28
33	9.803970		9.916877		0.083123	9.887093		27
34	9.804123		9.917134		0.082866	9.886989		26
35	9.804276	2.53	9.917391		0.082609	9.886885		25
36	9.804428		9.917648		0.082352	9.886780		24
37	9.804581		9.917906		0.082094	9.886676		23
38	9.804734		9.918163		0.081837	9.886571		22
39	9.804886		9.918420		0.081580	9.886466		21
40	9.805039	2.52	9.918677	4.28	0.081323	9.886362	1.75	20
41	9.805191		9.918934		0.081066	9.886257		19
42	9.805343		9.919191		0.080809	9.886152		18
43	9.805495		9.919448		0.080552	9.886047		17
44	9.805647		9.919705		0.080295	9.885942		16
45	9.805799	2.51	9.919962		0.080038	9.885837		15
46	9.805951		9.920219		0.079781	9.885732		14
47	9.806103		9.920476		0.079524	9.885627		13
48	9.806254		9.920733		0.079267	9.885522		12
49	9.806406		9.920990		0.079010	9.885416		11
50	9.806557	2.51	9.921247		0.078753	9.885311	1.76	10
51	9.806709		9.921503		0.078497	9.885205		9
52	9.806860		9.921760		0.078240	9.885100		8
53	9.807011		9.922017		0.077983	9.884994		7
54	9.807163		9.922274		0.077726	9.884889		6
55	9.807314	2.51	9.922530		0.077470	9.884783		5
56	9.807465		9.922787		0.077213	9.884677		4
57	9.807615		9.923044		0.076956	9.884572		3
58	9.807766		9.923300		0.076700	9.884466		2
59	9.807917		9.923557		0.076443	9.884360		1
60	9.808067		9.923814		0.076186	9.884254		0
	Cosin. 50		Cotang. 50		Tang. 50	Sin. 50		′

′	Sin. 40	1″	Tang. 40	1″	Cotang. 40	Cosin. 40	1″	′
0	9.808067		9.923814		0.076186	9.884254		60
1	9.808218	2.51	9.924070	4.27	0.075930	9.884148	1.77	59
2	9.808368		9.924327		0.075673	9.884042		58
3	9.808519		9.924583		0.075417	9.883936		57
4	9.808669		9.924840		0.075160	9.883829		56
5	9.808819		9.925096		0.074904	9.883723		55
6	9.808969	2.50	9.925352		0.074648	9.883617		54
7	9.809119		9.925609		0.074391	9.883510		53
8	9.809269		9.925865		0.074135	9.883404		52
9	9.809419		9.926122		0.073878	9.883297		51
10	9.809569		9.926378		0.073622	9.883191		50
11	9.809718	2.49	9.926634		0.073366	9.883084	1.78	49
12	9.809868		9.926890		0.073110	9.882977		48
13	9.810017		9.927147		0.072853	9.882871		47
14	9.810167		9.927403		0.072597	9.882764		46
15	9.810316		9.927659		0.072341	9.882657		45
16	9.810465	2.48	9.927915		0.072085	9.882550		44
17	9.810614		9.928171		0.071829	9.882443	1.79	43
18	9.810763		9.928427		0.071573	9.882336		42
19	9.810912		9.928684		0.071316	9.882229		41
20	9.811061		9.928940		0.071060	9.882121		40
21	9.811210		9.929196		0.070804	9.882014		39
22	9.811358		9.929452		0.070548	9.881907		38
23	9.811507		9.929708		0.070292	9.881799		37
24	9.811655		9.929964		0.070036	9.881692		36
25	9.811804		9.930220		0.069780	9.881584		35
26	9.811952		9.930475	4.26	0.069525	9.881477		34
27	9.812100	2.47	9.930731		0.069269	9.881369		33
28	9.812248		9.930987		0.069013	9.881261		32
29	9.812396		9.931243		0.068757	9.881153		31
30	9.812544		9.931499		0.068501	9.881046		30
31	9.812692		9.931755		0.068245	9.880938	1.80	29
32	9.812840	2.46	9.932010		0.067990	9.880830		28
33	9.812988		9.932266		0.067734	9.880722		27
34	9.813135		9.932522		0.067478	9.880613		26
35	9.813283		9.932778		0.067222	9.880505		25
36	9.813430		9.933033		0.066967	9.880397		24
37	9.813578	2.45	9.933289		0.066711	9.880289	1.81	23
38	9.813725		9.933545		0.066455	9.880180		22
39	9.813872		9.933800		0.066200	9.880072		21
40	9.814019		9.934056		0.065944	9.879963		20
41	9.814166		9.934311		0.065689	9.879855		19
42	9.814313		9.934567		0.065433	9.879746		18
43	9.814460		9.934822		0.065178	9.879637		17
44	9.814607		9.935078		0.064922	9.879529		16
45	9.814753		9.935333		0.064667	9.879420		15
46	9.814900	2.44	9.935589		0.064411	9.879311	1.82	14
47	9.815046		9.935844		0.064156	9.879202		13
48	9.815193		9.936100		0.063900	9.879093		12
49	9.815339		9.936355		0.063645	9.878984		11
50	9.815485		9.936611		0.063389	9.878875		10
51	9.815632		9.936866	4.25	0.063134	9.878766		9
52	9.815778	2.43	9.937121		0.062879	9.878656		8
53	9.815924		9.937377		0.062623	9.878547		7
54	9.816069		9.937632		0.062368	9.878438		6
55	9.816215		9.937887		0.062113	9.878328		5
56	9.816361		9.938142		0.061858	9.878219		4
57	9.816507		9.938398		0.061602	9.878109		3
58	9.816652		9.938653		0.061347	9.877999	1.83	2
59	9.816798		9.938908		0.061092	9.877890		1
60	9.816943		9.939163		0.060837	9.877780		0
′	Cosin. 49		Cotang. 49		Tang. 49	Sin. 49		′

′	Sin. 41	I″	Tang. 41	I″	Cotang. 41	Cosin. 41	I″	′
0	9.816943		9.939163		0.060837	9.877780		60
1	9.817088	2.42	9.939418	4.25	0.060582	9.877670	1.83	59
2	9.817233		9.939673		0.060327	9.877560		58
3	9.817379		9.939928		0.060072	9.877450		57
4	9.817524		9.940183		0.059817	9.877340		56
5	9.817668		9.940439		0.059561	9.877230		55
6	9.817813	2.41	9.940694		0.059306	9.877120	1.84	54
7	9.817958		9.940949		0.059051	9.877010		53
8	9.818103		9.941204		0.058796	9.876899		52
9	9.818247		9.941459		0.058541	9.876789		51
10	9.818392		9.941713		0.058287	9.876678		50
11	9.818536	2.40	9.941968		0.058032	9.876568		49
12	9.818681		9.942223		0.057777	9.876457		48
13	9.818825		9.942478		0.057522	9.876347		47
14	9.818969		9.942733		0.057267	9.876236		46
15	9.819113		9.942988		0.057012	9.876125		45
16	9.819257		9.943243		0.056757	9.876014	1.85	44
17	9.819401		9.943498		0.056502	9.875904		43
18	9.819545		9.943752		0.056248	9.875793		42
19	9.819689		9.944007		0.055993	9.875682		41
20	9.819832		9.944262		0.055738	9.875571		40
21	9.819976	2.39	9.944517		0.055483	9.875459	1.86	39
22	9.820120		9.944771		0.055229	9.875348		38
23	9.820263		9.945026		0.054974	9.875237		37
24	9.820406		9.945281		0.054719	9.875126		36
25	9.820550		9.945535		0.054465	9.875014		35
26	9.820693		9.945790	4.24	0.054210	9.874903		34
27	9.820836	2.38	9.946045		0.053955	9.874791		33
28	9.820979		9.946299		0.053701	9.874680		32
29	9.821122		9.946554		0.053446	9.874568		31
30	9.821265		9.946808		0.053192	9.874456		30
31	9.821407		9.947063		0.052937	9.874344	1.87	29
32	9.821550	2.37	9.947318		0.052682	9.874232		28
33	9.821693		9.947572		0.052428	9.874121		27
34	9.821835		9.947827		0.052173	9.874009		26
35	9.821977		9.948081		0.051919	9.873896		25
36	9.822120		9.948335		0.051665	9.873784		24
37	9.822262		9.948590		0.051410	9.873672		23
38	9.822404		9.948844		0.051156	9.873560		22
39	9.822546		9.949099		0.050901	9.873448		21
40	9.822688		9.949353		0.050647	9.873335		20
41	9.822830	2.36	9.949608		0.050392	9.873223	1.88	19
42	9.822972		9.949862		0.050138	9.873110		18
43	9.823114		9.950116		0.049884	9.872998		17
44	9.823255		9.950371		0.049629	9.872885		16
45	9.823397		9.950625		0.049375	9.872772		15
46	9.823539		9.950879		0.049121	9.872659		14
47	9.823680		9.951133		0.048867	9.872547		13
48	9.823821		9.951388		0.048612	9.872434		12
49	9.823963		9.951642		0.048358	9.872321		11
50	9.824104		9.951896		0.048104	9.872208		10
51	9.824245	2.35	9.952150		0.047850	9.872095	1.89	9
52	9.824386		9.952405		0.047595	9.871981		8
53	9.824527		9.952659		0.047341	9.871868		7
54	9.824668		9.952913		0.047087	9.871755		6
55	9.824808		9.953167		0.046833	9.871641		5
56	9.824949		9.953421		0.046579	9.871528		4
57	9.825090	2.34	9.953675	4.23	0.046325	9.871414		3
58	9.825230		9.953929		0.046071	9.871301		2
59	9.825371		9.954183		0.045817	9.871187		1
60	9.825511		9.954437		0.045563	9.871073		0
	Cosin. 48		Cotang. 48		Tang. 48	Sin. 48		′

′	Sin. 42	I″	Tang. 42	I″	Cotang. 42	Cosin. 42	I″	′
0	9.825511		9.954437		0.045563	9.871073		60
1	9.825651	2.33	9.954691	4.23	0.045309	9.870960	1.89	59
2	9.825791		9.954946		0.045054	9.870846		58
3	9.825931		9.955200		0.044800	9.870732		57
4	9.826071		9.955454		0.044546	9.870618		56
5	9.826211		9.955708		0.044292	9.870504		55
6	9.826351		9.955961		0.044039	9.870390	1.90	54
7	9.826491		9.956215		0.043785	9.870276		53
8	9.826631		9.956469		0.043531	9.870161		52
9	9.826770		9.956723		0.043277	9.870047		51
10	9.826910		9.956977		0.043023	9.869933		50
11	9.827049	2.32	9.957231		0.042769	9.869818	1.91	49
12	9.827189		9.957485		0.042515	9.869704		48
13	9.827328		9.957739		0.042261	9.869589		47
14	9.827467		9.957993		0.042007	9.869474		46
15	9.827606		9.958247		0.041753	9.869360		45
16	9.827745		9.958500		0.041500	9.869245	1.92	44
17	9.827884		9.958754		0.041246	9.869130		43
18	9.828023		9.959008		0.040992	9.869015		42
19	9.828162		9.959262		0.040738	9.868900		41
20	9.828301		9.959516		0.040484	9.868785		40
21	9.828439	2.31	9.959769		0.040231	9.868670		39
22	9.828578		9.960023		0.039977	9.868555		38
23	9.828716		9.960277		0.039723	9.868440		37
24	9.828855		9.960530		0.039470	9.868324		36
25	9.828993		9.960784		0.039216	9.868209		35
26	9.829131		9.961038		0.038962	9.868093	1.93	34
27	9.829269		9.961292		0.038708	9.867978		33
28	9.829407	2.30	9.961545		0.038455	9.867862		32
29	9.829545		9.961799		0.038201	9.867747		31
30	9.829683		9.962052		0.037948	9.867631		30
31	9.829821		9.962306		0.037694	9.867515		29
32	9.829959		9.962560		0.037440	9.867399		28
33	9.830097		9.962813		0.037187	9.867283		27
34	9.830234		9.963067		0.036933	9.867167		26
35	9.830372		9.963320		0.036680	9.867051		25
36	9.830509	2.29	9.963574		0.036426	9.866935	1.94	24
37	9.830646		9.963828		0.036172	9.866819		23
38	9.830784		9.964081		0.035919	9.866703		22
39	9.830921		9.964335		0.035665	9.866586		21
40	9.831058		9.964588		0.035412	9.866470		20
41	9.831195		9.964842	4.22	0.035158	9.866353		19
42	9.831332	2.28	9.965095		0.034905	9.866237		18
43	9.831469		9.965349		0.034651	9.866120		17
44	9.831606		9.965602		0.034398	9.866004		16
45	9.831742		9.965855		0.034145	9.865887		15
46	9.831879		9.966109		0.033891	9.865770	1.95	14
47	9.832015		9.966362		0.033638	9.865653		13
48	9.832152		9.966616		0.033384	9.865536		12
49	9.832288		9.966869		0.033131	9.865419		11
50	9.832425		9.967123		0.032877	9.865302		10
51	9.832561	2.27	9.967376		0.032624	9.865185		9
52	9.832697		9.967629		0.032371	9.865068		8
53	9.832833		9.967883		0.032117	9.864950		7
54	9.832969		9.968136		0.031864	9.864833		6
55	9.833105		9.968389		0.031611	9.864716		5
56	9.833241		9.968643		0.031357	9.864598		4
57	9.833377	2.26	9.968896		0.031104	9.864481	1.96	3
58	9.833512		9.969149		0.030851	9.864363		2
59	9.833648		9.969403		0.030597	9.864245		1
60	9.833783		9.969656		0.030344	9.864127		0
	Cosin. 47		Cotang. 47	′	Tang. 47	Sin. 47		′

′	Sin. 43	1″	Tang. 43	1″	Cotang. 43	Cosin. 43	1″	
0	9.833783		9.969656		0.030344	9.864127		60
1	9.833919	2.26	9.969909	4.22	0.030091	9.864010	1.96	59
2	9.834054		9.970162		0.029838	9.863892		58
3	9.834189		9.970416		0.029584	9.863774		57
4	9.834325		9.970669		0.029331	9.863656		56
5	9.834460		9.970922		0.029078	9.863538		55
6	9.834595	2.25	9.971175		0.028825	9.863419	1.97	54
7	9.834730		9.971429		0.028571	9.863301		53
8	9.834865		9.971682		0.028318	9.863183		52
9	9.834999		9.971935		0.028065	9.863064		51
10	9.835134		9.972188		0.027812	9.862946		50
11	9.835269	2.24	9.972441		0.027559	9.862827	1.98	49
12	9.835403		9.972695		0.027305	9.862709		48
13	9.835538		9.972948		0.027052	9.862590		47
14	9.835672		9.973201		0.026799	9.862471		46
15	9.835807		9.973454		0.026546	9.862353		45
16	9.835941	2.23	9.973707		0.026293	9.862234		44
17	9.836075		9.973960		0.026040	9.862115		43
18	9.836209		9.974213		0.025787	9.861996		42
19	9.836343		9.974466		0.025534	9.861877		41
20	9.836477		9.974720		0.025280	9.861758		40
21	9.836611		9.974973		0.025027	9.861638	1.99	39
22	9.836745		9.975226		0.024774	9.861519		38
23	9.836878		9.975479		0.024521	9.861400		37
24	9.837012		9.975732		0.024268	9.861280		36
25	9.837146		9.975985		0.024015	9.861161		35
26	9.837279	2.22	9.976238		0.023762	9.861041	2.00	34
27	9.837412		9.976491		0.023509	9.860922		33
28	9.837546		9.976744		0.023256	9.860802		32
29	9.837679		9.976997		0.023003	9.860682		31
30	9.837812		9.977250		0.022750	9.860562		30
31	9.837945		9.977503		0.022497	9.860442		29
32	9.838078		9.977756		0.022244	9.860322		28
33	9.838211		9.978009		0.021991	9.860202		27
34	9.838344		9.978262		0.021738	9.860082		26
35	9.838477		9.978515		0.021485	9.859962		25
36	9.838610		9.978768		0.021232	9.859842	2.01	24
37	9.838742	2.21	9.979021		0.020979	9.859721		23
38	9.838875		9.979274		0.020726	9.859601		22
39	9.839007		9.979527		0.020473	9.859480		21
40	9.839140		9.979780		0.020220	9.859360		20
41	9.839272		9.980033		0.019967	9.859239		19
42	9.839404	2.20	9.980286		0.019714	9.859119		18
43	9.839536		9.980538		0.019462	9.858998		17
44	9.839668		9.980791		0.019209	9.858877		16
45	9.839800		9.981044		0.018956	9.858756		15
46	9.839932		9.981297		0.018703	9.858635	2.02	14
47	9.840064		9.981550		0.018450	9.858514		13
48	9.840196		9.981803		0.018197	9.858393		12
49	9.840328		9.982056		0.017944	9.858272		11
50	9.840459		9.982309		0.017691	9.858151		10
51	9.840591		9.982562	4.21	0.017438	9.858029	2.03	9
52	9.840722	2.19	9.982814		0.017186	9.857908		8
53	9.840854		9.983067		0.016933	9.857786		7
54	9.840985		9.983320		0.016680	9.857665		6
55	9.841116		9.983573		0.016427	9.857543		5
56	9.841247		9.983826		0.016174	9.857422		4
57	9.841378		9.984079		0.015921	9.857300		3
58	9.841509	2.18	9.984332		0.015668	9.857178		2
59	9.841640		9.984584		0.015416	9.857056		1
60	9.841771		9.984837		0.015163	9.856934		0
	Cosin. 46		Cotang. 46		Tang. 46	Sin. 46		′

′	Sin. 44	1″	Tang. 44	1″	Cotang. 44	Cosin. 44	1″	′
0	9.841771		9.984837		0.015163	9.856934		60
1	9.841902	2.18	9.985090	4.21	0.014910	9.856812	2.04	59
2	9.842033		9.985343		0.014657	9.856690		58
3	9.842163		9.985596		0.014404	9.856568		57
4	9.842294		9.985848		0.014152	9.856446		56
5	9.842424		9.986101		0.013899	9.856323		55
6	9.842555	2.17	9.986354		0.013646	9.856201		54
7	9.842685		9.986607		0.013393	9.856078		53
8	9.842815		9.986860		0.013140	9.855956		52
9	9.842946		9.987112		0.012888	9.855833		51
10	9.843076		9.987365		0.012635	9.855711		50
11	9.843206		9.987618		0.012382	9.855588		49
12	9.843336	2.16	9.987871		0.012129	9.855465	2.05	48
13	9.843466		9.988123		0.011877	9.855342		47
14	9.843595		9.988376		0.011624	9.855219		46
15	9.843725		9.988629		0.011371	9.855096		45
16	9.843855		9.988882		0.011118	9.854973		44
17	9.843984		9.989134		0.010866	9.854850		43
18	9.844114		9.989387		0.010613	9.854727		42
19	9.844243		9.989640		0.010360	9.854603		41
20	9.844372		9.989893		0.010107	9.854480		40
21	9.844502		9.990145		0.009855	9.854356		39
22	9.844631	2.15	9.990398		0.009602	9.854233	2.06	38
23	9.844760		9.990651		0.009349	9.854109		37
24	9.844889		9.990903		0.009097	9.853986		36
25	9.845018		9.991156		0.008844	9.853862		35
26	9.845147		9.991409		0.008591	9.853738		34
27	9.845276		9.991662		0.008338	9.853614	2.07	33
28	9.845405		9.991914		0.008086	9.853490		32
29	9.845533		9.992167		0.007833	9.853366		31
30	9.845662		9.992420		0.007580	9.853242		30
31	9.845790		9.992672		0.007328	9.853118		29
32	9.845919	2.14	9.992925		0.007075	9.852994		28
33	9.846047		9.993178		0.006822	9.852869		27
34	9.846175		9.993431		0.006569	9.852745		26
35	9.846304		9.993683		0.006317	9.852620		25
36	9.846432		9.993936		0.006064	9.852496		24
37	9.846560		9.994189		0.005811	9.852371	2.08	23
38	9.846688	2.13	9.994441		0.005559	9.852247		22
39	9.846816		9.994694		0.005306	9.852122		21
40	9.846944		9.994947		0.005053	9.851997		20
41	9.847071		9.995199		0.004801	9.851872		19
42	9.847199		9.995452		0.004548	9.851747		18
43	9.847327		9.995705		0.004295	9.851622		17
44	9.847454		9.995957		0.004043	9.851497		16
45	9.847582		9.996210		0.003790	9.851372		15
46	9.847709		9.996463		0.003537	9.851246		14
47	9.847836	2.12	9.996715		0.003285	9.851121	2.09	13
48	9.847964		9.996968		0.003032	9.850996		12
49	9.848091		9.997221		0.002779	9.850870		11
50	9.848218		9.997473		0.002527	9.850745		10
51	9.848345		9.997726		0.002274	9.850619		9
52	9.848472	2.11	9.997979		0.002021	9.850493	2.10	8
53	9.848599		9.998231		0.001769	9.850368		7
54	9.848726		9.998484		0.001516	9.850242		6
55	9.848852		9.998737		0.001263	9.850116		5
56	9.848979		9.998989		0.001011	9.849990		4
57	9.849106		9.999242	4.21	0.000758	9.849864		3
58	9.849232		9.999495		0.000505	9.849738		2
59	9.849359		9.999747		0.000253	9.849611		1
60	9.849485		0.000000		0.000000	9.849485		0
′	Cosin. 45		Cotang. 45		Tang. 45	Sin. 45		′

TABLES CENTÉSIMALES.

0. 000.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
00000			10.000000			Infin.	1.00000
001	5.196120	301030	10.000000	5.196120	301030	14.803880	0.99999
002	497150	176091		497150	176091	502850	998
003	673241	124939		673241	124939	326759	997
004	798180	96910		798180	96910	201820	996
005	895090	79181		895090	79181	104910	995
006	5.974271	66947		5.974271	66947	14.025729	994
007	6.041218	57992		6.041218	57992	13.958782	993
008	099210	51153		099210	51152	900790	992
009	150362	45758		150362	45758	849638	991
.00010	196120	41393		196120	41393	803880	0.99990
011	237513	37788		237513	37788	762487	989
012	275301	34762		275301	34762	724699	988
013	310063	32185		310063	32185	689937	987
014	342248	29963		342248	29963	657752	986
015	372211	28029		372211	28029	627789	985
016	400240	26329		400240	26329	599760	984
017	426569	24823		426569	24823	573431	983
018	451392	23482		451392	23482	548608	982
019	474874	22276		474874	22276	525127	981
.00020	497150	21189		497150	21189	502850	0.99980
021	518339	20204		518339	20204	481661	979
022	538543	19305		538543	19305	461457	978
023	557848	18483		557848	18483	442152	977
024	576331	17729		576331	17729	423669	976
025	594060	17033	10.000000	594060	17033	405940	975
026	611093	16391		611093	16391	388907	974
027	627484	15794		627484	15794	372516	973
028	643278	15240		643278	15240	356722	972
029	658518	14723		658518	14723	341482	971
.00030	673241	14241		673241	14241	326759	0.99970
031	687482	13788		687482	13788	312518	969
032	701270	13364		701270	13364	298730	968
033	714634	12965		714634	12965	285366	967
034	727599	12589		727599	12589	272401	966
035	740188	12234		740188	12234	259812	965
036	752422	11900		752422	11900	247578	964
037	764322	11581		764322	11582	235678	963
038	775903	11282		775904	11281	224097	962
039	787185	10995		787185	10995	212816	961
.00040	798180	10724		798180	10724	201820	0.99960
041	808904	10465		808904	10465	191096	959
042	819369	10219		819369	10219	180631	958
043	829588	9985		829588	9985	170412	957
044	839573	9759		839573	9760	160427	956
045	849332	9546		849333	9545	150667	955
046	858878	9340		858878	9340	141122	954
047	868218	9143		868218	9143	131782	953
048	877361	8955		877361	8955	122639	952
049	886316	8774		886316	8774	113684	951
0.00050	6.895090		10.000000	6.895090		13.104910	0.99950
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 999.

0. 000

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00050	6.895090		10.000000	6.895090		13.104910	0.99950
051	903690	8600	10.000000	903690	8600	096310	949
052	912123	8433		912123	8433	087877	948
053	920396	8273		920396	8273	079604	947
054	928514	8118		928514	8118	071486	946
055	936483	7969		936483	7969	063517	945
056	944308	7825		944308	7825	055692	944
057	951995	7687		951995	7687	048005	943
058	959548	7553		959548	7553	040452	942
059	966972	7424		966972	7424	033028	941
0.00060	974271	7299		974271	7299	025729	0.99940
061	981450	7179		981450	7179	018550	939
062	988512	7062		988512	7062	011488	938
063	6.995460	6948		6.995461	6949	13.004539	937
064	7.002300	6840		7.002300	6839	12.997700	936
065	009033	6733		009033	6733	990967	935
066	015664	6631		015664	6631	984336	934
067	022195	6531		022195	6531	977805	933
068	028629	6434		028629	6434	971371	932
069	034969	6340		034969	6340	965031	931
0.00070	041218	6249		041218	6249	958782	0.99930
071	047378	6160		047378	6160	952622	929
072	053452	6074		053453	6075	946547	928
073	059443	5991		059443	5990	940557	927
074	065352	5909		065352	5909	934648	926
075	071181	5829	10.000000	071181	5829	928819	925
076	076933	5752		076934	5753	923066	924
077	082611	5678		082611	5677	917389	923
078	088214	5603		088215	5604	911785	922
079	093747	5533		093747	5532	906253	921
0.00080	099210	5463		099210	5463	900790	0.99920
081	104605	5395		104605	5395	895395	919
082	109934	5329		109934	5329	890066	918
083	115198	5264		115198	5264	884802	917
084	120399	5201		120399	5201	879601	916
085	125539	5140		125539	5140	874461	915
086	130618	5079		130619	5080	869381	914
087	135639	5021		135639	5020	864361	913
088	140602	4963		140603	4964	859397	912
089	145510	4908		145510	4907	854490	911
0.00090	150362	4852		150363	4853	849637	0.99910
091	155161	4799		155162	4799	844838	909
092	159908	4747		159908	4746	840092	908
093	164603	4695		164603	4695	835397	907
094	169248	4645		169248	4645	830752	906
095	173843	4595		173844	4596	826156	905
096	178391	4548		178391	4547	821609	904
097	182891	4500		182892	4501	817108	903
098	187346	4455		187346	4454	812654	902
099	191755	4409		191755	4409	808245	901
0.00100	7.196120	4365	10.000000	7.196120	4365	12.803880	0.99900
Arc.	Log. Cosin.	Df.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 999

0.001

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00100	7.196120		10.000000	7.196120		12.803880	0.99900
		4321			4322		
101	7.200441		10.000000	7.200442		12.799558	899
102	04720	4279	9.999999	04720	4278	95280	898
103	08957	4237		08958	4238	91043	897
104	13153	4196		13154	4196	86846	896
105	17309	4156		17310	4156	82690	895
		4117			4116		
106	21426			21426		78574	894
107	25504	4078		25504	4078	74496	893
108	29543	4039		29544	4040	70456	892
109	33546	4003		33547	4003	66453	891
0.00110	37512	3966		37513	3966	62487	0.99890
		3931			3930		
111	41443			41443		58557	889
112	45338	3895		45338	3895	54662	888
113	49198	3860		49199	3861	50801	887
114	53025	3827		53025	3826	46975	886
115	56818	3793		56818	3793	43182	885
		3760			3760		
116	60578			60578		39422	884
117	64306	3728		64306	3728	35694	883
118	68002	3696		68002	3696	31998	882
119	71667	3665		71667	3665	28333	881
0.00120	75301	3634		75302	3635	24698	0.99880
		3604			3604		
121	78905			78906		21094	879
122	82479	3574		82480	3574	17520	878
123	86025	3546		86026	3546	13975	877
124	89541	3516		89542	3516	10458	876
125	93030	3489	9.999999	93030	3488	06970	875
		3460			3461		
126	96490			96491		03509	874
127	7.299923	3433		7.299924	3433	12.700076	873
128	7.303330	3407		7.303330	3406	12.696670	872
129	06709	3379		06710	3380	93290	871
0.00130	10063	3354		10064	3354	89936	0.99870
		3328			3328		
131	13391			13392		86608	869
132	16694	3303		16694	3302	83306	868
133	19971	3277		19972	3278	80028	867
134	23224	3253		23225	3253	76775	866
135	26453	3229		26454	3229	73546	865
		3206			3205		
136	29659			29659		70341	864
137	32840	3181		32841	3182	67159	863
138	35999	3159		36000	3159	64000	862
139	39134	3135		39135	3135	60865	861
0.00140	42248	3114		42249	3114	57751	0.99860
		3091			3091		
141	45339			45340		54660	859
142	48408	3069		48409	3069	51591	858
143	51456	3048		51457	3048	48543	857
144	54482	3026		54483	3026	45517	856
145	57488	3006		57489	3006	42511	855
		2984			2985		
146	60472			60474		39527	854
147	63437	2965		63438	2964	36562	853
148	66381	2944		66382	2944	33618	852
149	69306	2925		69307	2925	30693	851
0.00150	7.372211	2905	9.999999	7.372212	2905	12.627788	0.99850
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.998.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00150	7.372211	2885	9.999999	7.372212	2886	12.627788	0.99850
151	75096	2867	9	75098	2866	24902	849
152	77963	2848	9	77964	2848	22036	848
153	80811	2829	9	80812	2829	19188	847
154	83640	2811	9	83641	2811	16359	846
155	86451	2793	9	86452	2793	13548	845
156	89244	2775	9	89245	2775	10755	844
157	92019	2758	9	92020	2758	07980	843
158	94777	2740	9	94778	2740	05222	842
159	7.397517	2722	9	7.397518	2723	12.602482	841
0.00160	7.400239	2706	9	7.400241	2706	12.599759	0.99840
161	02945	2689	9	02947	2689	97053	839
162	05634	2673	9	05636	2672	94364	838
163	08307	2656	9	08308	2657	91692	837
164	10963	2640	9	10965	2640	89035	836
165	13603	2625	9	13605	2624	86395	835
166	16228	2608	9	16229	2608	83771	834
167	18836	2593	9	18837	2593	81163	833
168	21429	2577	9	21430	2578	78570	832
169	24006	2562	9	24008	2562	75992	831
0.00170	26568	2548	9	26570	2547	73430	0.99830
171	29116	2532	8	29117	2532	70883	829
172	31648	2517	8	31649	2518	68351	828
173	34165	2504	8	34167	2503	65833	827
174	36669	2488	8	36670	2489	63330	826
175	39157	2475	9.999998	39159	2475	60841	825
176	41632	2461	8	41634	2460	58366	824
177	44093	2446	8	44094	2447	55906	823
178	46539	2433	8	46541	2433	53459	822
179	48972	2420	8	48974	2420	51026	821
0.00180	51392	2408	8	51394	2406	48607	0.99820
181	53798	2393	8	53800	2392	46200	819
182	56191	2379	8	56192	2380	43808	818
183	58570	2367	8	58572	2367	41428	817
184	60937	2354	8	60939	2354	39061	816
185	63291	2341	8	63293	2341	36707	815
186	65632	2329	8	65634	2329	34366	814
187	67961	2316	8	67963	2316	32037	813
188	70277	2304	8	70279	2304	29721	812
189	72581	2292	8	72583	2292	27417	811
0.00190	74873	2280	8	74875	2280	25125	0.99810
191	77153	2267	8	77155	2267	22846	809
192	79420	2257	8	79422	2257	20578	808
193	81677	2244	8	81679	2244	18322	807
194	83921	2233	8	83923	2233	16077	806
195	86154	2221	8	86156	2221	13844	805
196	88375	2210	8	88377	2211	11623	804
197	90585	2199	8	90588	2199	09413	803
198	92784	2188	8	92787	2187	07214	802
199	94972	2177	8	94974	2177	05026	801
0.00200	7.497149		9.999998	7.497151		12.502849	0.99800
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00200	7.497149		9.999998	7.497151		12.502849	0.99800
201	7.499315	2166	8	7.499317	2166	12.500683	799
202	7.501471	2156	8	7.501473	2156	12.498527	798
203	03615	2144	8	03617	2144	96383	797
204	05749	2134	8	05752	2135	94249	796
205	07873	2124	8	07875	2123	92125	795
206	09986	2113	8	09989	2114	90011	794
207	12090	2104	8	12092	2103	87908	793
208	14182	2092	8	14185	2093	85815	792
209	16265	2083	8	16268	2083	83732	791
0.00210	18338	2073	8	18341	2073	81659	0.99790
211	20402	2064	8	20404	2063	79596	789
212	22455	2053	8	22457	2053	77543	788
213	24499	2044	8	24501	2044	75499	787
214	26533	2034	8	26535	2034	73465	786
215	28558	2025	8	28560	2025	71440	785
216	30573	2015	8	30575	2015	69425	784
217	32579	2006	8	32581	2006	67419	783
218	34576	1997	8	34578	1997	65422	782
219	36563	1987	7	36566	1988	63434	781
0.00220	38542	1979	7	38544	1978	61456	0.99780
221	40511	1969	7	40514	1970	59486	779
222	42472	1961	7	42475	1961	57525	778
223	44424	1952	7	44427	1952	55574	777
224	46367	1943	7	46370	1943	53630	776
225	48302	1935	9.999997	48304	1934	51696	775
226	50227	1925	7	50230	1926	49770	774
227	52145	1918	7	52148	1918	47852	773
228	54054	1909	7	54057	1909	45943	772
229	55954	1900	7	55957	1900	44043	771
0.00230	57847	1893	7	57850	1893	42150	0.99770
231	59731	1884	7	59734	1884	40266	769
232	61607	1876	7	61610	1876	38390	768
233	63475	1868	7	63478	1868	36522	767
234	65335	1860	7	65338	1860	34662	766
235	67187	1852	7	67190	1852	32810	765
236	69031	1844	7	69034	1844	30966	764
237	70867	1836	7	70870	1836	29130	763
238	72696	1829	7	72699	1829	27301	762
239	74517	1821	7	74520	1821	25480	761
0.00240	76330	1813	7	76333	1813	23667	0.99760
241	78136	1806	7	78139	1806	21861	759
242	79934	1798	7	79937	1798	20063	758
243	81725	1791	7	81728	1791	18272	757
244	83509	1784	7	83512	1784	16488	756
245	85285	1776	7	85288	1776	14712	755
246	87054	1769	7	87057	1769	12943	754
247	88816	1762	7	88819	1762	11181	753
248	90571	1755	7	90574	1755	09426	752
249	92318	1747	7	92321	1747	07679	751
0.00250	7.594059	1741	9.999997	7.594062	1741	12.405938	0.99750
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0,00250	7.594059	1734	9.999997	7.594062	1734	12.405938	0.99750
251	95793	1726	7	95796	1727	04204	749
252	97519	1720	7	97523	1720	02477	748
253	7.599239	1713	7	7.599243	1713	12.400757	747
254	7.600952	1707	7	7.600956	1706	12 399044	746
255	02659	1700	7	02662	1700	97338	745
256	04359	1693	7	04362	1693	95638	744
257	06052	1686	7	06055	1687	93945	743
258	07738	1680	6	07742	1680	92258	742
259	09418	1674	6	09422	1674	90578	741
0.00260	11092	1667	6	11096	1667	88904	0.99740
261	12759	1661	6	12763	1661	87237	739
262	14420	1654	6	14424	1654	85576	738
263	16074	1649	6	16078	1648	83922	737
264	17723	1642	6	17726	1642	82274	736
265	19365	1635	6	19368	1636	80632	735
266	21000	1630	6	21004	1630	78996	734
267	22630	1623	6	22634	1623	77366	733
268	24253	1618	6	24257	1618	75743	732
269	25871	1611	6	25875	1611	74125	731
0.00270	27482	1606	6	27486	1606	72514	0.99730
271	29088	1600	6	29092	1599	70908	729
272	30688	1593	6	30691	1594	69309	728
273	32281	1588	6	32285	1588	67715	727
274	33869	1582	6	33873	1582	66127	726
275	35451	1577	9.999996	35455	1577	64545	725
276	37028	1570	6	37032	1570	62968	724
277	38598	1565	6	38602	1565	61398	723
278	40163	1560	6	40167	1560	59833	722
279	41723	1554	6	41727	1554	58273	721
0.00280	43277	1548	6	43281	1548	56719	0.99720
281	44825	1543	6	44829	1543	55171	719
282	46368	1537	6	46372	1537	53628	718
283	47905	1532	6	47909	1532	52091	717
284	49437	1526	6	49441	1527	50559	716
285	50963	1521	6	50968	1521	49032	715
286	52484	1516	6	52489	1516	47511	714
287	54000	1511	6	54005	1510	45995	713
288	55511	1505	6	55515	1506	44485	712
289	57016	1500	6	57021	1500	42979	711
0.00290	58516	1495	6	58521	1495	41479	0.99710
291	60011	1490	5	60016	1490	39984	709
292	61501	1485	5	61506	1485	38494	708
293	62986	1480	5	62991	1479	37009	707
294	64466	1474	5	64470	1475	35530	706
295	65940	1470	5	65945	1470	34055	705
296	67410	1465	5	67415	1465	32585	704
297	68875	1460	5	68880	1459	31121	703
298	70335	1455	5	70339	1455	29661	702
299	71790	1450	5	71794	1450	28206	701
0,00300	7.673240		9.999995	7.673244		12.326756	0.99700
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00300	7.673240	1445	9.999995	7.673244	1446	12.326756	0.99700
301	74685	1440	5	74690	1440	25310	699
302	76125	1436	5	76130	1436	23870	698
303	77561	1431	5	77566	1431	22434	697
304	78992	1426	5	78997	1426	21003	696
305	80418	1422	5	80423	1422	19577	695
306	81840	1417	5	81845	1417	18155	694
307	83257	1412	9.999995	83262	1412	16738	693
308	84669	1408	9.999995	84674	1408	15326	692
309	86077	1403	5	86082	1403	13918	691
0.00310	87480	1399	5	87485	1399	12515	0.99690
311	88879	1394	5	88884	1394	11116	689
312	90273	1390	5	90278	1390	09722	688
313	91663	1385	5	91668	1385	08332	687
314	93048	1381	5	93053	1381	06947	686
315	94429	1376	5	94434	1377	05566	685
316	95805	1372	5	95811	1372	04190	684
317	97177	1368	5	97183	1368	02817	683
318	98545	1364	5	98551	1363	01449	682
319	7.699909	1359	5	7.699914	1360	12.300086	681
0.00320	7.701268	1355	5	7.701274	1355	12.298727	0.99680
321	02623	1351	5	02629	1351	97371	679
322	03974	1347	4	03980	1346	96021	678
323	05321	1342	4	05326	1343	94674	677
324	06663	1338	4	06669	1338	93331	676
325	08001	1335	9.999994	08007	1334	91993	675
326	09336	1330	4	09341	1330	90659	674
327	10666	1326	4	10671	1327	89329	673
328	11992	1322	4	11998	1322	88002	672
329	13314	1318	4	13320	1318	86680	671
0.00330	14632	1314	4	14638	1314	85362	0.99670
331	15946	1310	4	15952	1310	84048	669
332	17256	1306	4	17262	1306	82738	668
333	18562	1302	4	18568	1302	81432	667
334	19864	1299	4	19870	1299	80130	666
335	21163	1294	4	21169	1294	78831	665
336	22457	1291	4	22463	1291	77537	664
337	23748	1287	4	23754	1287	76246	663
338	25035	1283	4	25041	1283	74959	662
339	26318	1279	4	26324	1279	73676	661
0.00340	27597	1275	4	27603	1275	72397	0.99660
341	28872	1272	4	28878	1272	71122	659
342	30144	1268	4	30150	1268	69850	658
343	31412	1264	4	31418	1265	68582	657
344	32676	1261	4	32683	1260	67318	656
345	33937	1257	4	33943	1257	66057	655
346	35194	1253	4	35200	1254	64800	654
347	36447	1250	4	36454	1249	63546	653
348	37697	1246	4	37703	1247	62297	652
349	38943	1243	4	38950	1242	61050	651
0.00350	7.740186		9.999993	7.740192		12.259808	0.99650
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.003.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00350	7.740186	1239	9.999993	7.740192	1239	12.259808	0.99650
351	1425	1235	3	1431	1236	8569	649
352	2660	1232	3	2667	1232	7333	648
353	3892	1229	3	3899	1229	6101	647
354	5121	1225	3	5128	1225	4872	646
355	6346	1222	3	6353	1221	3647	645
356	7568	1218	3	7574	1219	2426	644
357	7.748786	1215	3	7.748793	1215	12.251207	643
358	7.750001	1211	3	7.750008	1211	12.249993	642
359	1212	1208	3	1219	1208	8781	641
0.00360	2420	1205	3	2427	1205	7573	0.99640
361	3625	1201	3	3632	1201	6368	639
362	4826	1198	3	4833	1198	5167	638
363	6024	1195	3	6031	1195	3969	637
364	7219	1191	3	7226	1192	2774	636
365	8410	1189	3	8418	1188	1583	635
366	7.759599	1185	3	7.759606	1185	12.240394	634
367	7.760784	1181	3	7.760791	1182	12.239209	633
368	1965	1179	3	1973	1178	8028	632
369	3144	1175	3	3151	1176	6849	631
0.00370	4319	1172	3	4327	1173	5674	0.99630
371	5491	1169	3	5499	1169	4501	629
372	6660	1166	3	6668	1166	3332	628
373	7826	1163	3	7834	1163	2166	627
374	7.768989	1160	3	7.768997	1159	12.231004	626
375	7.770149	1156	9.999993	7.770156	1157	12.229844	625
376	1305	1154	2	1313	1153	8687	624
377	2459	1150	2	2466	1151	7534	623
378	3609	1148	2	3617	1147	6383	622
379	4757	1144	2	4764	1145	5236	621
0.00380	5901	1141	2	5909	1141	4091	0.99620
381	7042	1139	2	7050	1139	2950	619
382	8181	1135	2	8189	1135	1812	618
383	7.779316	1133	2	7.779324	1132	12.220676	617
384	7.780449	1129	2	7.780456	1130	12.219544	616
385	1578	1127	2	1586	1127	8414	615
386	2705	1123	2	2713	1123	7288	614
387	3828	1121	2	3836	1121	6164	613
388	4949	1118	2	4957	1118	5043	612
389	6067	1115	2	6075	1115	3925	611
0.00390	7182	1112	2	7190	1112	2810	0.99610
391	8294	1109	2	8302	1109	1698	609
392	7.789403	1107	2	7.789411	1107	12.210589	608
393	7.790510	1103	2	7.790518	1104	12.209482	607
394	1613	1101	2	1622	1101	8378	606
395	2714	1098	2	2723	1098	7278	605
396	3812	1096	2	3821	1095	6179	604
397	4908	1092	2	4916	1093	5084	603
398	6000	1090	2	6009	1090	3991	602
399	7090	1087	2	7099	1087	2902	601
0.00400	7.798177		9.999991	7.798186		12.201814	0.99600
Arc.	Log. Cos.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.996.

0.004.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang	Dif.	Log. Cot.	Arc.
0.00400	7.798177		9.999991	7.798186		12.201814	0.99600
401	7.799261	1084	1	7.799270	1084	12.200730	599
402	7.800343	1082	1	7.800352	1082	12.199648	598
403	1422	1079	1	1431	1079	8569	597
404	2498	1076	1	2507	1076	7493	596
405	3572	1074	1	3581	1074	6419	595
406	4643	1071	1	4652	1071	5348	594
407	5711	1068	1	5720	1068	4280	593
408	6777	1066	1	6786	1066	3214	592
409	7840	1063	1	7849	1063	2151	591
0.00410	8901	1061	1	8910	1061	1090	0.99590
411	7.809959	1058	1	7.809968	1058	12.190032	589
412	7.811014	1055	1	7.811023	1055	12.188977	588
413	2067	1053	1	2076	1053	7924	587
414	3117	1050	1	3126	1050	6874	586
415	4165	1048	1	4174	1048	5826	585
416	5210	1045	1	5219	1045	4781	584
417	6253	1043	1	6262	1043	3738	583
418	7293	1040	1	7302	1040	2698	582
419	8331	1038	1	8340	1038	1660	581
0.00420	7.819366	1035	1	7.819376	1036	12.180625	0.99580
421	7.820399	1033	1	7.820408	1032	12.179592	579
422	1429	1030	1	1439	1031	8561	578
423	2457	1028	0	2467	1028	7533	577
424	3483	1026	0	3492	1025	6508	576
425	4506	1023	9.999990	4515	1023	5485	575
426	5526	1020	0	5536	1021	4464	574
427	6545	1019	0	6554	1018	3446	573
428	7560	1015	0	7570	1016	2430	572
429	8574	1014	0	8584	1014	1416	571
0.00430	7.829585	1011	0	7.829595	1011	12.170405	0.99570
431	7.830594	1009	0	7.830604	1009	12.169396	569
432	1600	1006	0	1610	1006	8390	568
433	2604	1004	0	2615	1005	7386	567
434	3606	1002	0	3616	1001	6384	566
435	4606	1000	0	4616	1000	5384	565
436	5603	997	0	5613	997	4387	564
437	6598	995	0	6608	995	3392	563
438	7591	993	0	7601	993	2399	562
439	8581	990	0	8591	990	1409	561
0.00440	7.839569	988	0	7.839580	989	12.160421	0.99560
441	7.840555	986	0	7.840565	985	12.159435	559
442	1539	984	0	1549	984	8451	558
443	2520	981	90	2531	982	7469	557
444	3499	979	89	3510	979	6490	556
445	4476	977	89	4487	977	5513	555
446	5451	975	89	5462	975	4538	554
447	6424	973	89	6435	973	3566	553
448	7394	970	89	7405	970	2595	552
449	8363	969	89	8373	968	1627	551
0.00450	7.849329	966	9.999989	7.849340	967	12.150660	0.99550
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.004

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00450	7.849329		9.999989	7.849340		12.150660	0.99550
451	7.850293	964	9	7.850304	964	12.149696	549
452	1255	962	9	1266	962	8734	548
453	2214	959	9	2225	959	7775	547
454	3172	958	9	3183	958	6817	546
455	4128	956	9	4139	956	5861	545
456	5081	953	9	5092	953	4908	544
457	6032	951	9	6044	952	3957	543
458	6982	950	9	6993	949	3007	542
459	7929	947	9	7940	947	2060	541
0.00460	8874	945	9	8885	945	1115	0.99540
461	7.859817	943	9	7.859828	943	12.140172	539
462	7.860758	941	9	7.860770	942	12.139231	538
463	1697	939	9	1709	939	8292	537
464	2634	937	9	2646	937	7355	536
465	3569	935	8	3581	935	6419	535
466	4502	933	8	4514	933	5486	534
467	5433	931	8	5445	931	4556	533
468	6362	929	8	6374	929	3626	532
469	7289	927	8	7301	927	2699	531
0.00470	8214	925	8	8226	925	1774	0.99530
471	7.869137	923	8	7.869149	923	12.130851	529
472	7.870058	921	8	7.870070	921	12.129930	528
473	0977	919	8	0989	919	9011	527
474	1894	917	8	1906	917	8094	526
475	2810	916	9.999988	2822	916	7179	525
476	3723	913	8	3735	913	6265	524
477	4634	911	8	4646	911	5354	523
478	5544	910	8	5556	910	4444	522
479	6451	907	8	6464	908	3536	521
0.00480	7357	906	8	7369	905	2631	0.99520
481	8261	904	8	8273	904	1727	519
482	7.879163	902	8	7.879175	902	12.120825	518
483	7.880063	900	8	7.880075	900	12.119925	517
484	0961	898	7	0974	899	9026	516
485	1857	896	7	1870	896	8130	515
486	2752	895	7	2765	895	7235	514
487	3645	893	7	3657	892	6343	513
488	4535	890	7	4548	891	5452	512
489	5425	890	7	5437	889	4563	511
0.00490	6312	887	7	6325	888	3676	0.99510
491	7197	885	7	7210	885	2790	509
492	8081	884	7	8094	884	1906	508
493	8963	882	7	8976	882	1025	507
494	7.889843	880	7	7.889856	880	12.110145	506
495	7.890721	878	7	7.890734	878	12.109266	505
496	1597	876	7	1610	876	8390	504
497	2472	875	7	2485	875	7515	503
498	3345	873	7	3358	873	6642	502
499	4216	871	7	4229	871	5771	501
0.00500	7.895085	869	9.999987	7.895099	870	12.104901	0.99500
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.995.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00500	7.895085		9.999987	7.895099		12.104901	0.99500
501	5953	868	7	5967	868	4033	499
502	6819	866	7	6833	866	3167	498
503	7683	864	6	7697	864	2303	497
504	8546	863	6	8560	863	1441	496
505	7.899407	861	6	7.899420	860	12.100580	495
506	7.900266	859	6	7.900280	860	12.099721	494
507	1123	857	6	1137	857	8863	493
508	1979	856	6	1993	856	8007	492
509	2833	854	6	2847	854	7153	491
0.00510	3685	852	6	3699	852	6301	0.99490
511	4536	851	6	4550	851	5450	489
512	5385	849	6	5399	849	4601	488
513	6233	848	6	6247	848	3753	487
514	7078	845	6	7092	845	2908	486
515	7922	844	6	7937	845	2063	485
516	8765	843	6	8779	842	1221	484
517	7.909606	841	6	7.909620	841	12.090380	483
518	7.910445	839	6	7.910459	839	12.089541	482
519	1282	837	6	1297	838	8703	481
0.00520	2118	836	6	2133	836	7867	0.99480
521	2953	835	6	2967	834	7033	479
522	3786	833	5	3800	833	6200	478
523	4617	831	5	4631	831	5369	477
524	5446	829	5	5461	830	4539	476
525	6274	828	9.999985	6289	828	3711	475
526	7101	827	5	7116	827	2885	474
527	7926	825	5	7940	824	2060	473
528	8749	823	5	8764	824	1236	472
529	7.919571	822	5	7.919586	822	12.080415	471
0.00530	7.920391	820	5	7.920406	820	12.079594	0.99470
531	1209	818	5	1225	819	8776	469
532	2027	818	5	2042	817	7958	468
533	2842	815	5	2857	815	7143	467
534	3656	814	5	3671	814	6329	466
535	4469	813	5	4484	813	5516	465
536	5280	811	5	5295	811	4705	464
537	6089	809	5	6105	810	3896	463
538	6897	808	5	6913	808	3088	462
539	7704	807	4	7719	806	2281	461
0.00540	8508	804	4	8524	805	1476	0.99460
541	7.929312	804	4	7.929328	804	12.070672	459
542	7.930114	802	4	7.930130	802	12.069870	458
543	0914	800	4	0930	800	9070	457
544	1714	800	4	1729	799	8271	456
545	2511	797	4	2527	798	7473	455
546	3307	796	4	3323	796	6677	454
547	4102	795	4	4118	795	5882	453
548	4895	793	4	4911	793	5089	452
549	5687	792	4	5703	792	4297	451
0.00550	7.936477	790	9.999984	7.936493	790	12.063507	0.99450
Arc.	Log. Cos.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0, 005.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00550	7.936477	789	9.999984	7.936493	789	12.063507	0.99450
551	7266	788	4	7282	788	2718	449
552	8054	786	4	8070	786	1930	448
553	8840	784	4	8856	785	1144	447
554	7.939624	783	4	7.939641	783	12.060359	446
555	7.940407	782	4	7.940424	782	12.059576	445
556	1189	781	3	1206	780	8794	444
557	1970	779	3	1986	779	8014	443
558	2749	777	3	2765	778	7235	442
559	3526	776	3	3543	776	6457	441
0.00560	4302	775	3	4319	775	5681	0.99440
561	5077	774	3	5094	774	4906	439
562	5851	772	3	5868	772	4133	438
563	6623	770	3	6640	770	3360	437
564	7393	770	3	7410	770	2590	436
565	8163	768	3	8180	768	1820	435
566	8931	766	3	8948	766	1052	434
567	7.949697	766	3	7.949714	766	12.050286	433
568	7.950463	763	3	7.950480	764	12.049520	432
569	1226	763	3	1244	762	8756	431
0.00570	1989	761	3	2006	762	7994	0.99430
571	2750	760	3	2768	760	7232	429
572	3510	759	3	3528	758	6472	428
573	4269	757	2	4286	758	5714	427
574	5026	756	2	5044	756	4957	426
575	5782	754	9.999982	5800	754	4201	425
576	6536	754	2	6554	754	3446	424
577	7290	752	2	7308	752	2692	423
578	8042	751	2	8060	750	1940	422
579	8793	749	2	8810	750	1190	421
0.00580	7.959542	748	2	7.959560	748	12.040440	0.99420
581	7.960290	747	2	7.960308	747	12.039692	419
582	1037	745	2	1055	746	8945	418
583	1782	745	2	1801	744	8199	417
584	2527	743	2	2545	743	7455	416
585	3270	741	2	3288	742	6712	415
586	4011	741	2	4030	740	5970	414
587	4752	739	2	4770	740	5230	413
588	5491	738	2	5510	738	4490	412
589	6229	737	1	6248	736	3752	411
0.00590	6966	735	1	6984	736	3016	0.99410
591	7701	734	1	7720	734	2280	409
592	8435	733	1	8454	733	1546	408
593	9168	732	1	9187	732	0813	407
594	7.969900	731	1	7.969919	731	12.030081	406
595	7.970631	729	1	7.970650	729	12.029351	405
596	1360	728	1	1379	728	8621	404
597	2088	727	1	2107	727	7893	403
598	2815	725	1	2834	726	7166	402
599	3540	725	1	3560	724	6441	401
0.00600	7.974265		9.999981	7.974284		12.025716	0.99400
Arc.	Log. Cosin	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00600	7.974265	723	9.999981	7.974284	723	12.025716	0.99400
601	4988	722	1	5007	722	4993	399
602	5710	721	1	5729	721	4271	398
603	6431	719	1	6450	720	3550	397
604	7150	719	1	7170	718	2830	396
605	7869	717	0	7888	718	2112	395
606	8586	716	0	8606	716	1394	394
607	7.979302	715	0	7.979322	715	12.020678	393
608	7.980017	714	0	7.980037	713	12.019963	392
609	0731	712	0	0750	713	9250	391
0.00610	1443	711	0	1463	711	8537	0.99390
611	2154	711	0	2174	711	7826	389
612	2865	709	0	2885	709	7115	388
613	3574	708	0	3594	708	6406	387
614	4282	706	0	4302	707	5698	386
615	4988	706	0	5009	705	4992	385
616	5694	704	0	5714	705	4286	384
617	6398	704	0	6419	703	3581	383
618	7102	702	0	7122	702	2878	382
619	7804	701	80	7824	701	2176	381
0.00620	8505	700	79	8525	700	1475	0.99380
621	9205	698	9	9225	699	0775	379
622	7.989903	698	9	7.989924	698	12.010076	378
623	7.990601	697	9	7.990622	696	12.009378	377
624	1298	695	9	1318	696	8682	376
625	1993	694	9.999979	2014	694	7986	375
626	2687	693	9	2708	694	7292	374
627	3380	693	9	3402	692	6599	373
628	4073	691	9	4094	691	5906	372
629	4764	689	9	4785	690	5215	371
0.00630	5453	689	9	5475	689	4525	0.99370
631	6142	688	9	6164	687	3837	369
632	6830	686	9	6851	687	3149	368
633	7516	686	9	7538	686	2462	367
634	8202	684	9	8224	684	1777	366
635	8886	684	8	8908	683	1092	365
636	7.999570	682	8	7.999591	683	12.000409	364
637	8.000252	681	8	8.000274	681	11.999726	363
638	0933	680	8	0955	680	9045	362
639	1613	680	8	1635	680	8365	361
0.00640	2293	678	8	2315	678	7686	0.99360
641	2971	677	8	2993	677	7007	359
642	3648	676	8	3670	676	6330	358
643	4324	674	8	4346	675	5654	357
644	4998	674	8	5021	674	4979	356
645	5672	673	8	5695	672	4306	355
646	6345	672	8	6367	672	3633	354
647	7017	670	8	7039	671	2961	353
648	7687	670	8	7710	670	2290	352
649	8357	669	7	8380	668	1620	351
0.00650	8.009026		9.999977	8.009048		11.990952	0.99350
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00650	8.009026	667	9.999977	8.009048	668	11.990952	0.99350
651	8.009693	667	7	8.009716	667	11.990284	349
652	8.010360	665	7	8.010383	665	11.989617	348
653	1025	665	7	1048	665	8952	347
654	1690	664	7	1713	663	8287	346
655	2354	662	7	2377	662	7624	345
656	3016	662	7	3039	662	6961	344
657	3678	660	7	3701	660	6299	343
658	4338	660	7	4361	660	5639	342
659	4998	658	7	5021	658	4979	341
0.00660	5656	658	7	5679	658	4321	0.99340
661	6314	656	7	6337	657	3663	339
662	6970	656	7	6994	655	3007	338
663	7626	654	6	7649	655	2351	337
664	8280	654	6	8304	653	1696	336
665	8934	652	6	8957	653	1043	335
666	8.019586	652	6	8.019610	652	11.980390	334
667	8.020238	650	6	8.020262	650	11.979738	333
668	0888	650	6	0912	650	9088	332
669	1538	649	6	1562	649	8438	331
0.00670	2187	647	6	2211	648	7789	0.99330
671	2834	647	6	2859	646	7142	329
672	3481	646	6	3505	646	6495	328
673	4127	645	6	4151	645	5849	327
674	4772	644	6	4796	644	5204	326
675	5416	642	9.999976	5440	643	4560	325
676	6058	642	6	6083	642	3917	324
677	6700	641	5	6725	641	3275	323
678	7341	640	5	7366	640	2634	322
679	7981	640	5	8006	639	1994	321
0.00680	8621	638	5	8645	639	1355	0.99320
681	9259	637	5	9284	637	0716	319
682	8.029896	636	5	8.029921	636	11.970079	318
683	8.030532	636	5	8.030557	636	11.969443	317
684	1168	634	5	1193	634	8807	316
685	1802	634	5	1827	634	8173	315
686	2436	632	5	2461	633	7539	314
687	3068	632	5	3094	631	6907	313
688	3700	631	5	3725	631	6275	312
689	4331	630	5	4356	630	5644	311
0.00690	4961	628	5	4986	629	5014	0.99310
691	5589	628	4	5615	628	4385	309
692	6217	628	4	6243	627	3757	308
693	6845	626	4	6870	627	3130	307
694	7471	625	4	7497	625	2503	306
695	8096	625	4	8122	624	1878	305
696	8721	623	4	8746	624	1254	304
697	9344	623	4	9370	623	0630	303
698	8.039967	621	4	8.039993	621	11.960007	302
699	8.040588	621	4	8.040615	620	11.959386	301
0.00700	8.041209		9.999974	8.041235		11.958765	0.99300
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arb.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00700	8.041209	620	9.999974	8.041235	620	11.958765	0.99300
701	1829	619	4	1855	620	8145	299
702	2448	618	4	2475	618	7525	298
703	3066	618	4	3093	617	6907	297
704	3684	616	3	3710	617	6290	296
705	4300	616	3	4327	615	5673	295
706	4916	614	3	4942	615	5058	294
707	5530	614	3	5557	614	4443	293
708	6144	613	3	6171	613	3829	292
709	6757	612	3	6784	612	3216	291
0.00710	7369	611	3	7396	612	2604	0.99290
711	7980	611	3	8008	610	1993	289
712	8591	609	3	8618	610	1382	288
713	9200	609	3	9228	608	0772	287
714	8.049809	608	3	8.049836	608	11.950164	286
715	8.050417	607	3	8.050444	607	11.949556	285
716	1024	606	3	1051	606	8949	284
717	1630	605	3	1657	606	8343	283
718	2235	605	2	2263	604	7737	282
719	2840	603	2	2867	604	7133	281
0.00720	3443	603	2	3471	603	6529	0.99280
721	4046	602	2	4074	602	5926	279
722	4648	601	2	4676	601	5324	278
723	5249	600	2	5277	600	4723	277
724	5849	600	2	5877	600	4123	276
725	6449	598	9.999972	6477	598	3523	275
726	7047	598	2	7075	598	2925	274
727	7645	597	2	7673	597	2327	273
728	8242	596	2	8270	596	1730	272
729	8838	595	2	8866	596	1134	271
0.00730	8.059433	595	1	8.059462	594	11.940538	0.99270
731	8.060028	593	1	8.060056	594	11.939944	269
732	0621	593	1	0650	593	9350	268
733	1214	592	1	1243	592	8757	267
734	1806	592	1	1835	592	8165	266
735	2398	590	1	2427	590	7574	265
736	2988	590	1	3017	590	6983	264
737	3578	589	1	3607	589	6393	263
738	4167	588	1	4196	588	5804	262
739	4755	587	1	4784	587	5216	261
0.00740	5342	586	1	5371	587	4629	0.99260
741	5928	586	1	5958	585	4042	259
742	6514	585	1	6543	585	3457	258
743	7099	584	0	7128	585	2872	257
744	7683	583	0	7713	583	2287	256
745	8266	583	0	8296	583	1704	255
746	8849	582	0	8879	581	1121	254
747	8.069431	581	0	8.069460	582	11.930540	253
748	8.070012	580	0	8.070042	580	11.929958	252
749	0592	579	0	0622	579	9378	251
0.00750	8.071171	Dif.	9.999970	8.071201	Dif.	11.928799	0.99250
Arc.	Log. Cosin.		Log. Sin.	Log. Cot.		Log. Tang.	Arc.

0. 007.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00750	8.071171		9.999970	8.071201		11.928799	0.99250
751	1750	579	70	1780	579	8220	249
752	2328	578	70	2358	578	7642	248
753	2905	577	70	2935	577	7065	247
754	3481	576	70	3512	577	6489	246
755	4057	576	70	4087	575	5913	245
756	4632	575	69	4662	575	5338	244
757	5206	574	69	5236	574	4764	243
758	5779	573	69	5810	574	4190	242
759	6351	572	69	6382	572	3618	241
0.00760	6923	572	69	6954	572	3046	0.99240
761	7494	571	9	7525	571	2475	239
762	8065	571	9	8096	571	1904	238
763	8634	569	9	8665	569	1335	237
764	9203	569	9	9234	569	0766	236
765	8.079771	568	9	8.079802	568	11.920198	235
766	8.080338	567	9	8.080370	568	11.919630	234
767	0905	567	9	0936	566	9064	233
768	1471	566	8	1502	566	8498	232
769	2036	565	8	2067	565	7933	231
0.00770	2600	564	8	2632	565	7368	0.99230
771	3164	564	8	3196	564	6805	229
772	3727	563	8	3759	563	6242	228
773	4289	562	8	4321	562	5679	227
774	4850	561	8	4882	561	5118	226
775	5411	561	9.999968	5443	561	4557	225
776	5971	560	8	6003	560	3997	224
777	6530	559	8	6563	560	3438	223
778	7089	559	8	7121	558	2879	222
779	7647	558	8	7679	558	2321	221
0.00780	8204	557	7	8236	557	1764	0.99220
781	8760	556	7	8793	557	1207	219
782	9316	556	7	9349	555	0652	218
783	8.089871	555	7	8.089904	555	11.910097	217
784	8.090425	554	7	8.090458	554	11.909542	216
785	0979	554	7	1012	554	8989	215
786	1531	552	7	1565	553	8436	214
787	2084	553	7	2117	552	7883	213
788	2635	551	7	2668	551	7332	212
789	3186	551	7	3219	551	6781	211
0.00790	3736	550	7	3769	550	6231	0.99210
791	4285	549	7	4319	550	5681	209
792	4834	549	6	4868	549	5133	208
793	5382	548	6	5416	548	4585	207
794	5929	547	6	5963	547	4037	206
795	6476	547	6	6510	547	3490	205
796	7022	546	6	7056	546	2944	204
797	7567	545	6	7601	545	2399	203
798	8111	544	6	8146	545	1855	202
799	8655	544	6	8690	544	1311	201
0.00800	8.099198	543	9.999966	8.099233	543	11.900767	0.99200
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 992.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00800	8.099198		9.999966	8.099233		11.900767	0.99200
801	8.099741	543	6	8.099775	542	11.900225	199
802	8.100283	542	6	8.100317	542	11.899683	198
803	0824	541	6	0859	542	9142	197
804	1364	540	5	1399	540	8601	196
805	1904	540	5	1939	540	8061	195
806	2443	539	5	2478	539	7522	194
807	2982	539	5	3017	539	6983	193
808	3520	538	5	3555	538	6445	192
809	4057	537	5	4092	537	5908	191
0.00810	4593	536	5	4628	536	5372	0.99190
811	5129	536	5	5164	536	4836	189
812	5664	535	5	5700	534	4301	188
813	6199	535	5	6234	534	3766	187
814	6732	533	5	6768	533	3232	186
815	7266	534	4	7301	533	2699	185
816	7798	532	4	7834	532	2166	184
817	8330	532	4	8366	531	1634	183
818	8861	531	4	8897	531	1103	182
819	9392	531	4	9428	530	0572	181
0.00820	8.109922	530	4	8.109958	529	11.890042	0.99180
821	8.110451	529	4	8.110487	529	11.889513	179
822	0980	529	4	1016	528	8984	178
823	1508	528	4	1544	527	8456	177
824	2035	527	4	2071	527	7929	176
825	2562	527	9.999964	2598	526	7402	175
826	3088	526	3	3124	526	6876	174
827	3613	525	3	3650	525	6350	173
828	4138	525	3	4175	524	5825	172
829	4662	524	3	4699	524	5301	171
0.00830	5186	524	3	5223	523	4777	0.99170
831	5709	523	3	5746	522	4254	169
832	6231	522	3	6268	522	3732	168
833	6753	522	3	6790	521	3210	167
834	7274	521	3	7311	520	2689	166
835	7794	520	3	7831	520	2169	165
836	8314	520	3	8351	519	1649	164
837	8833	519	3	8870	519	1130	163
838	9351	518	2	9389	518	0611	162
839	8.119869	518	2	8.119907	517	11.880093	161
0.00840	8.120387	518	2	8.120424	517	11.879576	0.99160
841	0903	516	2	0941	516	9059	159
842	1419	516	2	1457	516	8543	158
843	1935	516	2	1973	515	8027	157
844	2450	515	2	2488	514	7512	156
845	2964	514	2	3002	514	6998	155
846	3478	514	2	3516	513	6484	154
847	3991	513	2	4029	512	5971	153
848	4503	512	2	4541	512	5459	152
849	5015	512	1	5053	512	4947	151
0.00850	8.125526	511	9.999961	8.125565	512	11.874435	0.99150
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 008.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00850	8.125526		9.999961	8.125565		11.874435	0.99150
		511			510		
851	6037		1	6075		3925	149
852	6547	510	1	6585	510	3415	148
853	7056	509	1	7095	510	2905	147
854	7565	509	1	7604	509	2396	146
855	8073	508	1	8112	508	1888	145
		508			508		
856	8581		1	8620		1380	144
857	9088	507	1	9127	507	0873	143
858	8.129594	506	1	8.129634	505	11.870367	142
859	8.130100	506	1	8.130139	506	11.869861	141
0.00860	0605	505	0	0645		9355	0.99140
		505			505		
861	1110		0	1150		8851	139
862	1614	504	0	1654	504	8346	138
863	2117	503	0	2157	503	7843	137
864	2620	503	0	2660	503	7340	136
865	3123	503	0	3163	503	6837	135
		501			502		
866	3624		0	3665		6335	134
867	4126	502	0	4166	501	5834	133
868	4626	500	0	4667	501	5334	132
869	5126	500	9.999960	5167	500	4833	131
0.00870	5626	500	59	5666	499	4334	0.99130
		499			499		
871	6125	498	9	6165	498	3835	129
872	6623	498	9	6664	498	3337	128
873	7121	497	9	7161	498	2839	127
874	7618	496	9	7659	498	2341	126
875	8114		9.999959	8155	496	1845	125
		496			496		
876	8610	496	9	8651	496	1349	124
877	9106	495	9	9147	495	0853	123
878	8.139601	494	9	8.139642	494	11.860358	122
879	8.140095	494	9	8.140136	494	11.859864	121
0.00880	0589	493	9	0630	493	9370	0.99120
881	1082		8	1124		8877	119
882	1575	493	8	1616	493	8384	118
883	2067	492	8	2108	492	7892	117
884	2558	491	8	2600	492	7400	116
885	3049	491	8	3091	491	6909	115
		491			491		
886	3540		8	3582		6418	114
887	4029	489	8	4072	490	5928	113
888	4519	490	8	4561	489	5439	112
889	5008	489	8	5050	489	4950	111
0.00890	5496	488	8	5538	488	4462	0.99110
		487			488		
891	5983		8	6026		3974	109
892	6471	488	7	6513	487	3487	108
893	6957	486	7	7000	487	3000	107
894	7443	486	7	7486	486	2514	106
895	7929	486	7	7972	486	2029	105
		485			485		
896	8414		7	8457		1543	104
897	8898	484	7	8941	484	1059	103
898	9382	484	7	9425	484	0575	102
899	8.149865	483	7	8.149908	483	11.850092	101
0.00900	8.150348	483	9.999957	8.150391	483	11.849609	0.99100
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 991.

0. 009.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00900	8.150348	482	9.999957	8.150391	483	11.849609	0.99100
901	0830	482	7	0874	482	9126	099
902	1312	481	6	1356	481	8645	098
903	1793	481	6	1837	481	8163	097
904	2274	480	6	2318	480	7683	096
905	2754	479	6	2798	479	7202	095
906	3233	480	6	3277	480	6723	094
907	3713	478	6	3757	478	6244	093
908	4191	478	6	4235	478	5765	092
909	4669	478	6	4713	478	5287	091
0.00910	5147	476	6	5191	477	4809	0.99090
911	5623	477	6	5668	476	4332	089
912	6100	476	5	6144	476	3856	088
913	6576	475	5	6620	476	3380	087
914	7051	475	5	7096	475	2904	086
915	7526	474	5	7571	474	2429	085
916	8000	474	5	8045	474	1955	084
917	8474	474	5	8519	474	1481	083
918	8948	472	5	8993	473	1007	082
919	9420	473	5	9466	472	0534	081
0.00920	8.159893	471	5	8.159938	472	11.840062	0.99080
921	8.160364	472	5	8.160410	471	11.839590	079
922	0836	470	5	0881	471	9119	078
923	1306	471	4	1352	470	8648	077
924	1777	469	4	1822	470	8178	076
925	2246	470	9.999954	2292	470	7708	075
926	2716	468	4	2762	468	7239	074
927	3184	469	4	3230	469	6770	073
928	3653	467	4	3699	467	6301	072
929	4120	467	4	4166	468	5834	071
0.00930	4587	467	4	4634	467	5366	0.99070
931	5054	466	4	5101	466	4900	069
932	5520	466	4	5567	466	4433	068
933	5986	465	3	6033	465	3967	067
934	6451	465	3	6498	465	3502	066
935	6916	464	3	6963	464	3037	065
936	7380	464	3	7427	464	2573	064
937	7844	463	3	7891	463	2109	063
938	8307	463	3	8354	463	1646	062
939	8770	462	3	8817	462	1183	061
0.00940	9232	462	3	9279	462	0721	0.99060
941	8.169694	461	3	8.169741	462	11.830259	059
942	8.170155	461	3	8.170203	460	11.829798	058
943	0616	460	2	0663	461	9337	057
944	1076	460	2	1124	460	8876	056
945	1536	459	2	1584	459	8416	055
946	1995	459	2	2043	459	7957	054
947	2454	458	2	2502	458	7498	053
948	2912	458	2	2960	458	7040	052
949	3370	457	2	3418	458	6582	051
0.00950	8.173827	Dif.	9.999952	8.173876	Dif.	11.826124	0.99050
Arc.	Log. Cosin.		Log. Sin.	Log. Cot.		Log. Tang.	Arc.

0. 990.

0. 009.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.00950	8.173827	457	9.999952	8.173876	457	11.826124	0.99050
951	4284	457	2	4333	456	5667	049
952	4741	456	1	4789	456	5211	048
953	5197	455	1	5245	456	4755	047
954	5652	455	1	5701	455	4299	046
955	6107	454	1	6156	454	3844	045
956	6561	455	1	6610	455	3390	044
957	7016	453	1	7065	453	2936	043
958	7469	453	1	7518	453	2482	042
959	7922	453	1	7971	453	2029	041
0.00960	8375	452	1	8424	452	1576	0.99040
961	8827	451	1	8876	452	1124	039
962	9278	452	0	9328	451	0672	038
963	8.179730	450	0	8.179779	451	11.820221	037
964	8.180180	451	0	8.180230	451	11.819770	036
965	0631	449	0	0681	449	9320	035
966	1080	450	0	1130	450	8870	034
967	1530	449	0	1580	449	8420	033
968	1979	448	0	2029	448	7971	032
969	2427	448	0	2477	448	7523	031
0.00970	2875	447	0	2925	448	7075	0.99030
971	3322	447	9.999950	3373	447	6627	029
972	3769	447	49	3820	447	6180	028
973	4216	446	9	4267	446	5734	027
974	4662	446	9	4713	446	5287	026
975	8.185108	445	9.999949	8.185159	445	11.814842	025
976	5553	444	9	5604	445	4396	024
977	5997	445	9	6049	444	3952	023
978	6442	444	9	6493	444	3507	022
979	6886	443	9	6937	443	3063	021
0.00980	7329	443	9	7380	443	2620	0.99020
981	7772	442	8	7823	443	2177	019
982	8214	442	8	8266	442	1734	018
983	8656	442	8	8708	442	1292	017
984	9098	441	8	9150	441	0850	016
985	9539	440	8	8.189591	441	11.810409	015
986	8.189979	441	8	8.190032	440	11.809969	014
987	8.190420	439	8	0472	440	9528	013
988	0859	440	8	0912	439	9088	012
989	1299	439	8	1351	439	8649	011
0.00990	1738	438	8	1790	439	8210	0.99010
991	2176	438	7	2229	438	7771	009
992	2614	438	7	2667	437	7333	008
993	3052	437	7	3104	438	6896	007
994	3489	436	7	3542	436	6458	006
995	3925	437	7	3978	437	6022	005
996	4362	435	7	4415	436	5585	004
997	4797	436	7	4851	435	5150	003
998	5233	435	7	5286	435	4714	002
.00999	5668	434	7	5721	435	4279	001
01000	8.196102		9.999946	8.196156		11.803844	0.99000
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 990.

0. 010.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01000	8.196102	434	9.999946	8.196156	434	11.803844	0.99000
001	6536	434	6	6590	434	3410	0.98999
002	6970	433	6	7024	433	2977	998
003	7403	433	6	7457	433	2543	997
004	7836	432	6	7890	432	2110	996
005	8268	432	6	8322	432	1678	995
006	8700	431	6	8754	432	1246	994
007	9131	431	6	9186	431	0814	993
008	9562	431	6	8.199617	430	11.800383	992
009	8.199993	430	6	8.200047	431	11.799953	991
0.01010	8.200423	430	5	0478	430	9522	0.98990
011	0853	429	5	0908	429	9093	989
012	1282	429	5	1337	429	8663	988
013	1711	429	5	1766	429	8234	987
014	2140	428	5	2195	428	7805	986
015	2568	427	5	2623	428	7377	985
016	2995	427	5	3051	427	6950	984
017	3422	427	5	3478	427	6522	983
018	3849	427	5	3905	426	6095	982
019	4276	426	4	4331	426	5669	981
0.01020	4702	425	4	4757	426	5243	0.98980
021	5127	425	4	5183	425	4817	979
022	5552	425	4	5608	425	4392	978
023	5977	424	4	6033	424	3967	977
024	6401	424	4	6457	424	3543	976
025	8.206825	423	9.999944	8.206881	424	11.793119	975
026	7248	424	4	7305	423	2695	974
027	7672	422	4	7728	423	2272	973
028	8094	422	3	8151	422	1849	972
029	8516	422	3	8573	422	1427	971
0.01030	8938	422	3	8995	422	1005	0.98970
031	9360	421	3	9417	421	0584	969
032	8.209781	420	3	8.209838	420	11.790162	968
033	8.210201	420	3	8.210258	421	11.789742	967
034	0621	420	3	0679	420	9321	966
035	1041	420	3	1099	419	8902	965
036	1461	418	3	1518	419	8482	964
037	1879	419	2	1937	419	8063	963
038	2298	418	2	2356	418	7644	962
039	2716	418	2	2774	418	7226	961
0.01040	3134	417	2	3192	417	6808	0.98960
041	3551	417	2	3609	417	6391	959
042	3968	417	2	4026	417	5974	958
043	4385	416	2	4443	416	5557	957
044	4801	416	2	4859	416	5141	956
045	5217	415	2	5275	416	4725	955
046	5632	415	1	5691	415	4309	954
047	6047	415	1	6106	414	3894	953
048	6462	414	1	6520	415	3480	952
049	6876	414	1	6935	414	3065	951
0.01050	8.217290	414	9.999941	8.217349	414	11.782651	0.98950
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 989.

0. 010.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01050	8.217290	413	9.999941	8.217349	413	11.782651	0.98950
051	7703	413	1	7762	413	2238	949
052	8116	412	1	8175	413	1825	948
053	8528	413	1	8588	412	1412	947
054	8941	412	1	9000	412	1000	946
055	9353	411	0	9412	412	0588	945
056	8.219764	411	0	8.219824	411	11.780176	944
057	8.220175	411	0	8.220235	411	11.779765	943
058	0586	410	0	0646	410	9355	942
059	0996	410	0	1056	410	8944	941
0.01060	1406	409	0	1466	410	8534	0.98940
061	1815	409	40	1876	409	8125	939
062	2224	409	40	2285	409	7715	938
063	2633	408	9.999940	2694	408	7307	937
064	3041	408	39	3102	408	6898	936
065	3449	408	9	3510	408	6490	935
066	3857	407	9	3918	407	6082	934
067	4264	407	9	4325	407	5675	933
068	4671	406	9	4732	406	5268	932
069	5077	406	9	5138	407	4862	931
0.01070	5483	406	9	5545	405	4455	0.98930
071	5889	405	9	5950	406	4050	929
072	6294	405	8	6356	405	3644	928
073	6699	405	8	6761	404	3239	927
074	7104	404	8	7165	405	2835	926
075	8.227508	404	9.999938	8.227570	404	11.772430	925
076	7912	403	8	7974	403	2027	924
077	8315	403	8	8377	403	1623	923
078	8718	403	8	8780	403	1220	922
079	9121	402	8	9183	402	0817	921
0.01080	9523	402	8	9585	402	0415	0.98920
081	8.229925	401	7	8.229987	402	11.770013	919
082	8.230326	401	7	8.230389	401	11.769611	918
083	0727	401	7	0790	401	9210	917
084	1128	401	7	1191	401	8809	916
085	1529	400	7	1592	400	8408	915
086	1929	399	7	1992	400	8008	914
087	2328	400	7	2392	399	7608	913
088	2728	399	7	2791	399	7209	912
089	3127	398	7	3190	399	6810	911
0.01090	3525	398	6	3589	398	6411	0.98910
091	3923	398	6	3987	398	6013	909
092	4321	398	6	4385	398	5615	908
093	4719	397	6	4783	397	5217	907
094	5116	397	6	5180	397	4820	906
095	5513	396	6	5577	396	4423	905
096	5909	396	6	5973	397	4027	904
097	6305	396	6	6370	395	3631	903
098	6701	395	5	6765	396	3235	902
099	7096	395	5	7161	395	2839	901
0.01100	8.237491		9.999935	8.237556		11.762444	0.98900
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.989.

Arc.	Log. Sin.	Dif.	Log. Cosic.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01100	8.237491	395	9.999935	8.237556	395	11.762444	0.98900
101	7886	394	5	7951	394	2050	899
102	8280	394	5	8345	394	1655	898
103	8674	393	5	8739	394	1261	897
104	9067	393	5	9133	393	0868	896
105	9460	393	5	9526	393	0474	895
106	8.239853	393	5	8.239919	392	11.760081	894
107	8.240246	392	4	8.240311	393	11.759689	893
108	0638	392	4	0704	391	9297	892
109	1030	391	4	1095	392	8905	891
0.01110	1421	391	4	1487	391	8513	0.98890
111	1812	391	4	1878	391	8122	889
112	2203	390	4	2269	390	7731	888
113	2593	390	4	2659	390	7341	887
114	2983	390	4	3049	390	6951	886
115	3373	389	3	3439	390	6561	885
116	3762	389	3	3829	389	6171	884
117	4151	388	3	4218	388	5782	883
118	4539	389	3	4606	389	5394	882
119	4928	388	3	4995	388	5005	881
0.01120	5316	387	3	5383	387	4617	0.98880
121	5703	387	3	5770	388	4230	879
122	6090	387	2	6158	387	3842	878
123	6477	387	2	6545	386	3455	877
124	6864	386	2	6931	387	3069	876
125	8.247250	386	9.999932	8.247318	386	11.752682	875
126	7636	385	2	7704	385	2296	874
127	8021	385	2	8089	385	1911	873
128	8406	385	2	8474	385	1526	872
129	8791	385	2	8859	385	1141	871
0.01130	9176	384	2	9244	384	0756	0.98870
131	9560	383	2	8.249628	384	11.750372	869
132	8.249943	384	1	8.250012	384	11.749988	868
133	8.250327	383	1	0396	383	9604	867
134	0710	383	1	0779	383	9221	866
135	1093	382	1	1162	382	8838	865
136	1475	382	1	1544	383	8456	864
137	1857	382	1	1927	381	8074	863
138	2239	381	1	2308	382	7692	862
139	2620	382	1	2690	381	7310	861
0.01140	3002	380	0	3071	381	6929	0.98860
141	3382	381	0	3452	381	6548	859
142	3763	380	0	3833	380	6167	858
143	4143	380	0	4213	380	5787	857
144	4523	379	0	4593	379	5407	856
145	4902	379	0	4972	379	5028	855
146	5281	379	0	5351	379	4649	854
147	5660	378	9.999930	5730	379	4270	853
148	6038	378	29	6109	378	3891	852
149	6416	378	9	6487	378	3513	851
0.01150	8.256794	378	9.999929	8.256865	378	11.743135	0.98850
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01150	8.256794	378	9.999929	8.256865	378	11.743135	0.98850
151	7172	377	9	7243	377	2758	849
152	7549	376	9	7620	377	2380	848
153	7925	377	9	7997	376	2003	847
154	8302	376	9	8373	377	1627	846
155	8678	376	9	8750	375	1250	845
156	9054	375	8	9125	376	0875	844
157	9429	376	8	9501	375	0499	843
158	8.259805	374	8	8.259876	375	11.740124	842
159	8.260179	375	8	8.260251	375	11.739749	841
0.01160	0554	374	8	0626	374	9374	0.98840
161	0928	374	8	1000	374	9000	839
162	1302	373	8	1374	374	8626	838
163	1675	374	8	1748	373	8252	837
164	2049	373	7	2121	373	7879	836
165	2422	372	7	2494	373	7506	835
166	2794	372	7	2867	372	7133	834
167	3166	372	7	3239	373	6761	833
168	3538	372	7	3612	371	6389	832
169	3910	371	7	3983	372	6017	831
0.01170	4281	371	7	4355	371	5645	0.98830
171	4652	371	7	4726	371	5274	829
172	5023	370	6	5097	370	4903	828
173	5393	370	6	5467	370	4533	827
174	5763	370	6	5837	370	4163	826
175	8.266133	370	9.999926	8.266207	370	11.733793	825
176	6503	369	6	6577	369	3423	824
177	6872	368	6	6946	369	3054	823
178	7240	369	6	7315	368	2685	822
179	7609	368	6	7683	369	2317	821
0.01180	7977	368	5	8052	368	1948	0.98820
181	8345	367	5	8420	367	1580	819
182	8712	368	5	8787	368	1213	818
183	9080	367	5	9155	367	0845	817
184	9447	366	5	9522	366	0478	816
185	8.269813	366	5	8.269888	367	11.730112	815
186	8.270179	366	5	8.270255	366	11.729745	814
187	0545	366	4	0621	366	9379	813
188	0911	366	4	0987	365	9013	812
189	1277	365	4	1352	365	8648	811
0.01190	1642	364	4	1717	365	8283	0.98810
191	2006	365	4	2082	365	7918	809
192	2371	364	4	2447	364	7553	808
193	2735	364	4	2811	364	7189	807
194	3099	363	4	3175	364	6825	806
195	3462	364	4	3539	363	6461	805
196	3826	362	3	3902	363	6098	804
197	4188	363	3	4265	363	5735	803
198	4551	362	3	4628	362	5372	802
199	4913	362	3	4990	363	5010	801
0.01200	8.275275	Dif.	9.999923	8.275353	Dif.	11.724647	0.98800
Arc.	Log. Cosin.		Log. Sin.	Log. Cot.		Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01200	8.275275	362	9.999923	8.275353	361	11.724647	0.98800
201	5637	362	3	5714	362	4286	799
202	5999	361	3	6076	361	3924	798
203	6360	361	3	6437	361	3563	797
204	6721	360	2	6798	361	3202	796
205	7081	360	2	7159	360	2841	795
206	7441	360	2	7519	360	2481	794
207	7801	360	2	7879	360	2121	793
208	8161	359	2	8239	359	1761	792
209	8520	359	2	8598	360	1402	791
0.01210	8879	359	2	8958	358	1043	0.98790
211	9238	358	1	9316	359	0684	789
212	9596	358	1	8.279675	358	11.720325	788
213	8.279954	358	1	8.280033	358	11.719967	787
214	8.280312	358	1	0391	358	9609	786
215	0670	357	1	0749	357	9251	785
216	1027	357	1	1106	357	8894	784
217	1384	357	1	1463	357	8537	783
218	1741	356	1	1820	357	8180	782
219	2097	356	0	2177	356	7823	781
0.01220	2453	356	0	2533	356	7467	0.98780
221	2809	355	0	2889	355	7111	779
222	3164	356	0	3244	356	6756	778
223	3520	355	0	3600	355	6400	777
224	3875	354	0	3955	355	6045	776
225	8.284229	355	9.999920	8.284310	354	11.715690	775
226	4584	354	9.999920	4664	354	5336	774
227	4938	353	19	5018	354	4982	773
228	5291	354	9	5372	354	4628	772
229	5645	353	9	5726	353	4274	771
0.01230	5998	353	9	6079	353	3921	0.98770
231	6351	353	9	6432	353	3568	769
232	6704	352	9	6785	352	3215	768
233	7056	352	9	7137	352	2863	767
234	7408	352	8	7489	352	2511	766
235	7760	351	8	7841	352	2159	765
236	8111	351	8	8193	351	1807	764
237	8462	351	8	8544	351	1456	763
238	8813	351	8	8895	351	1105	762
239	9164	350	8	9246	351	0754	761
0.01240	9514	350	8	9597	350	0404	0.98760
241	8.289864	350	8	8.289947	350	11.710053	759
242	8.290214	349	7	8.290297	349	11.709703	758
243	0563	350	7	0646	350	9354	757
244	0913	349	7	0996	349	9005	756
245	1262	348	7	1345	348	8655	755
246	1610	349	7	1693	349	8307	754
247	1959	348	7	2042	348	7958	753
248	2307	348	7	2390	348	7610	752
249	2655	347	6	2738	348	7262	751
0.01250	8.293002	Dif.	9.999916	8.293086	Dif.	11.706914	0.98750
Arc.	Log. Cosin.		Log. Sin.	Log. Cot.		Log. Tang.	Arc.

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Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
.01250	8.293002		9.999916	8.293086		11.706914	0.98750
251	3349	347	6	3433	347	6567	749
252	3696	347	6	3780	347	6220	748
253	4043	347	6	4127	347	5873	747
254	4389	346	6	4474	347	5526	746
255	4736	347	6	4820	346	5180	745
256	5081	345	6	5166	346	4834	744
257	5427	346	5	5512	346	4488	743
258	5772	345	5	5857	345	4143	742
259	6117	345	5	6202	345	3798	741
.01260	6462	345	5	6547	345	3453	0.98740
261	6807	345	5	6892	345	3108	739
262	7151	344	5	7236	344	2764	738
263	7495	344	5	7580	344	2420	737
264	7838	343	4	7924	344	2076	736
265	8182	344	4	8268	344	1732	735
266	8525	343	4	8611	343	1389	734
267	8868	343	4	8954	343	1046	733
268	9210	342	4	9297	343	0703	732
269	9553	343	4	9639	342	0361	731
01270	8.299895	342	4	8.299981	342	11.700019	0.98730
271	8.300237	342	3	8.300323	342	11.699677	729
272	0578	341	3	0665	342	9335	728
273	0919	341	3	1006	341	8994	727
274	1260	341	3	1347	341	8653	726
275	1601	341	9.999913	1688	341	8312	725
276	1942	341	3	2029	341	7971	724
277	2282	340	3	2369	340	7631	723
278	2622	340	3	2709	340	7291	722
279	2961	339	2	3049	340	6951	721
01280	3301	340	2	3388	339	6612	0.98720
281	3640	339	2	3728	340	6272	719
282	3979	339	2	4067	339	5933	718
283	4317	338	2	4405	338	5595	717
284	4656	339	2	4744	339	5256	716
285	4994	338	2	5082	338	4918	715
286	5331	337	1	5420	338	4580	714
287	5669	338	1	5758	338	4242	713
288	6006	337	1	6095	337	3905	712
289	6343	337	1	6432	337	3568	711
01290	6680	337	1	6769	337	3231	0.98710
291	7016	336	1	7106	337	2894	709
292	7353	337	1	7442	336	2558	708
293	7689	336	0	7778	336	2222	707
294	8024	335	0	8114	336	1886	706
295	8360	336	0	8450	336	1550	705
296	8695	335	0	8785	335	1215	704
297	9030	335	0	9120	335	0880	703
298	9365	335	0	9455	335	0545	702
299	8.309699	334	9.999910	8.309789	334	11.690211	701
1300	8.310033	334	9.999909	8.310124	335	11.689876	0.98700
rc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 987.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01300	8.310033	334	9.999909	8.310124	334	11.689876	0.98700
301	0367	334	9	0458	333	9542	699
302	0701	333	9	0791	334	9209	698
303	1034	333	9	1125	333	8875	697
304	1367	333	9	1458	333	8542	696
305	1700	333	9	1791	333	8209	695
306	2033	332	9	2124	333	7876	694
307	2365	332	9	2457	332	7544	693
308	2697	332	8	2789	332	7211	692
309	3029	332	8	3121	332	6879	691
0.01310	3361	331	8	3453	331	6548	0.98690
311	3692	331	8	3784	331	6216	689
312	4023	331	8	4115	331	5885	688
313	4354	330	8	4446	331	5554	687
314	4684	331	8	4777	330	5223	686
315	5015	330	7	5107	331	4893	685
316	5345	330	7	5438	330	4562	684
317	5675	329	7	5768	329	4232	683
318	6004	330	7	6097	330	3903	682
319	6334	329	7	6427	329	3573	681
0.01320	6663	329	7	6756	329	3244	0.98680
321	6992	328	7	7085	329	2915	679
322	7320	329	6	7414	328	2586	678
323	7649	328	6	7742	329	2258	677
324	7977	327	6	8071	328	1930	676
325	8.318304	328	9.999906	8.318399	327	11.681602	675
326	8632	327	6	8726	328	1274	674
327	8959	328	6	9054	327	0946	673
328	9287	326	6	9381	327	0619	672
329	9613	327	5	8.319708	327	11.680292	671
0.01330	8.319940	326	5	8.320035	326	11.679965	0.98670
331	8.320266	326	5	0361	327	9639	669
332	0592	326	5	0688	326	9313	668
333	0918	326	5	1014	325	8987	667
334	1244	325	5	1339	326	8661	666
335	1569	326	5	1665	325	8335	665
336	1895	324	4	1990	325	8010	664
337	2219	325	4	2315	325	7685	663
338	2544	324	4	2640	325	7360	662
339	2868	325	4	2965	324	7036	661
0.01340	3193	324	4	3289	324	6711	0.98660
341	3517	323	4	3613	324	6387	659
342	3840	324	4	3937	323	6063	658
343	4164	323	3	4260	324	5740	657
344	4487	323	3	4584	323	5416	656
345	4810	323	3	4907	323	5093	655
346	5133	322	3	5230	322	4770	654
347	5455	322	3	5552	323	4448	653
348	5777	322	3	5875	322	4125	652
349	6099	322	3	6197	322	3803	651
0.01350	8.326421	Dif.	9.999902	8.326519	Dif.	11.673481	0.98650
Arc.	Log. Cosin.		Log. Sin.	Log. Cot.		Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01350	8.326421	322	9.999902	8.326519	321	11.673481	0.98650
351	6743	321	2	6840	322	3160	649
352	7064	321	2	7162	321	2838	648
353	7385	321	2	7483	321	2517	647
354	7706	320	2	7804	321	2196	646
355	8026	321	2	8125	320	1875	645
356	8347	320	2	8445	321	1555	644
357	8667	320	1	8766	320	1235	643
358	8987	319	1	9086	320	0915	642
359	9306	320	1	9406	319	0595	641
0.01360	9626	319	1	8.329725	319	11.670275	640
361	8.329945	319	1	8.330044	319	11.669956	639
362	8.330264	319	1	0363	319	9637	638
363	0583	318	1	0682	319	9318	637
364	0901	318	0	1001	318	8999	636
365	1219	318	0	1319	318	8681	635
366	1537	318	0	1637	318	8363	634
367	1855	318	0	1955	318	8045	633
368	2173	317	0	2273	317	7727	632
369	2490	317	9.999900	2590	318	7410	631
0.01370	2807	317	9.999899	2908	317	7093	0.98630
371	3124	316	99	3225	316	6776	629
372	3440	317	99	3541	317	6459	628
373	3757	316	99	3858	316	6142	627
374	4073	316	9.999899	4174	316	5826	626
375	8.334389	316	9.999899	8.334490	316	11.665510	625
376	4705	315	9	4806	316	5194	624
377	5020	315	8	5122	315	4878	623
378	5335	315	8	5437	315	4563	622
379	5650	315	8	5752	315	4248	621
0.01380	5965	315	8	6067	315	3933	0.98620
381	6280	314	8	6382	314	3618	619
382	6594	314	8	6696	314	3304	618
383	6908	314	8	7010	314	2990	617
384	7222	313	7	7324	314	2676	616
385	7535	314	7	7638	314	2362	615
386	7849	313	7	7952	313	2048	614
387	8162	313	7	8265	313	1735	613
388	8475	313	7	8578	313	1422	612
389	8788	312	7	8891	313	1109	611
0.01390	9100	313	7	9204	312	0796	0.98610
391	9413	312	6	9516	312	0484	609
392	8.339725	311	6	8.339828	312	11.660172	608
393	8.340036	312	6	8.340140	312	11.659860	607
394	0348	311	6	0452	312	9548	606
395	0659	312	6	0764	311	9236	605
396	0971	310	6	1075	311	8925	604
397	1281	311	5	1386	311	8614	603
398	1592	311	5	1697	311	8303	602
399	1903	310	5	2008	310	7993	601
0.01400	8.342213		9.999895	8.342318		11.657682	0.98600
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01400	8.342213	310	9.999895	8.342318	310	11.657682	0.98600
401	2523	310	5	2628	310	7372	599
402	2833	309	5	2938	310	7062	598
403	3142	310	5	3248	309	6752	597
404	3452	309	4	3557	310	6443	596
405	3761	309	4	3867	309	6133	595
406	4070	309	4	4176	309	5824	594
407	4379	308	4	4485	308	5515	593
408	4687	308	4	4793	309	5207	592
409	4995	309	4	5102	308	4898	591
0.01410	5304	307	4	5410	308	4590	0.98590
411	5611	308	3	5718	308	4282	589
412	5919	307	3	6026	307	3974	588
413	6226	308	3	6333	308	3667	587
414	6534	307	3	6641	307	3359	586
415	6841	306	3	6948	307	3052	585
416	7147	307	3	7255	307	2745	584
417	7454	306	2	7562	306	2439	583
418	7760	306	2	7868	306	2132	582
419	8066	306	2	8174	306	1826	581
0.01420	8372	306	2	8480	306	1520	0.98580
421	8678	305	2	8786	306	1214	579
422	8983	306	2	9092	305	0908	578
423	9289	305	2	9397	305	0603	577
424	9594	305	1	8.349702	305	11.650298	576
425	8.349899	304	9.999891	8.350007	305	11.649993	575
426	8.350203	305	1	0312	305	9688	574
427	0508	304	1	0617	304	9383	573
428	0812	304	1	0921	304	9079	572
429	1116	303	1	1225	304	8775	571
0.01430	1419	304	0	1529	304	8471	0.98570
431	1723	303	0	1833	303	8167	569
432	2026	303	0	2136	303	7864	568
433	2329	303	9.999890	2439	304	7561	567
434	2632	303	9.999890	2743	302	7258	566
435	2935	303	90	3045	303	6955	565
436	3238	302	90	3348	302	6652	564
437	3540	302	89	3650	303	6350	563
438	3842	302	89	3953	302	6047	562
439	4144	301	89	4255	301	5745	561
0.01440	4445	302	89	4556	302	5444	0.98560
441	4747	301	89	4858	301	5142	559
442	5048	301	89	5159	302	4841	558
443	5349	301	88	5461	301	4539	557
444	5650	300	88	5762	300	4238	556
445	5950	301	88	6062	301	3938	555
446	6251	300	88	6363	300	3637	554
447	6551	300	88	6663	300	3337	553
448	6851	300	88	6963	300	3037	552
449	7151	299	88	7263	300	2737	551
0.01450	8.357450		9.999887	8.357563		11.642437	0.98550
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 014.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01450	8.357450		9.999887	8.357563		11.642437	0.98550
		300			300		
451	7750		7	7863		2138	549
452	8049	299	7	8162	299	1838	548
453	8348	299	7	8461	299	1539	547
454	8647	299	7	8760	299	1240	546
455	8945	298	7	9059	299	0942	545
		298			298		
456	9243		6	9357		0643	544
457	9542	299	6	9655	298	0345	543
458	8.359839	297	6	8.359953	298	11.640047	542
459	8.360137	298	6	3.360251	298	11.639749	541
0.01460	0435	298	6	0549	298	9451	0.98540
		297			297		
461	0732		6	0846		9154	539
462	1029	297	6	1144	298	8856	538
463	1326	297	5	1441	297	8559	537
464	1623	297	5	1738	297	8263	536
465	1919	296	5	2034	296	7966	535
		297			297		
466	2216		5	2331		7669	534
467	2512	296	5	2627	296	7373	533
468	2807	295	5	2923	296	7077	532
469	3103	296	4	3219	296	6781	531
0.01470	3399	296	4	3514	295	6486	0.98530
		295			296		
471	3694		4	3810		6190	529
472	3989	295	4	4105	295	5895	528
473	4284	295	4	4400	295	5600	527
474	4579	295	4	4695	295	5305	526
475	8.364873	294	9.999883	8.364990	295	11.635010	525
		294			294		
476	5167		3	5284		4716	524
477	5461	294	3	5578	294	4422	523
478	5755	294	3	5872	294	4128	522
479	6049	294	3	6166	294	3834	521
0.01480	6343	294	3	6460	294	3540	0.98520
		293			293		
481	6636		3	6753		3247	519
482	6929	293	2	7047	294	2954	518
483	7222	293	2	7340	293	2660	517
484	7514	292	2	7633	293	2368	516
485	7807	293	2	7925	292	2075	515
		292			293		
486	8099		2	8218		1782	514
487	8391	292	2	8510	292	1490	513
488	8683	292	1	8802	292	1198	512
489	8975	292	1	9094	292	0906	511
0.01490	9267	292	1	9386	292	0615	0.98510
		291			291		
491	9558		1	9677		0323	509
492	8.369849	291	1	8.369968	291	11.630032	508
493	8.370140	291	1	8.370259	291	11.629741	507
494	0431	291	0	0550	291	9450	506
495	0721	290	0	0841	291	9159	505
		291			290		
496	1012		9.999880	1131		8869	504
497	1302	290	9.999880	1422	291	8578	503
498	1592	290	0	1712	290	8288	502
499	1881	289	80	2002	290	7998	501
0.01500	8.372171	290	9.999879	8.372292	290	11.627709	0.98500
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 985.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01500	8.372171	289	9.999879	8.372292	289	11.627709	0.98500
501	2460	290	9	2581	289	7419	499
502	2750	289	9	2870	290	7130	498
503	3039	288	9	3160	289	6840	497
504	3327	289	9	3449	288	6552	496
505	3616	288	9	3737	289	6263	495
506	3904	289	9	4026	288	5974	494
507	4193	288	8	4314	289	5686	493
508	4481	287	8	4603	288	5398	492
509	4768	288	8	4891	287	5110	491
0.01510	5056	288	8	5178	288	4822	0.98490
511	5344	287	8	5466	287	4534	489
512	5631	287	8	5753	288	4247	488
513	5918	287	7	6041	287	3959	487
514	6205	287	7	6328	287	3672	486
515	6492	286	7	6615	286	3386	485
516	6778	286	7	6901	287	3099	484
517	7064	287	7	7188	286	2812	483
518	7351	285	7	7474	286	2526	482
519	7636	286	6	7760	286	2240	481
0.01520	7922	286	6	8046	286	1954	0.98480
521	8208	285	6	8332	285	1668	479
522	8493	285	6	8617	286	1383	478
523	8778	285	6	8903	285	1097	477
524	9063	285	6	9188	285	0812	476
525	9348	285	9.999875	9473	285	0527	475
526	9633	284	5	8.379758	284	11.620242	474
527	8.379917	285	5	8.380042	285	11.619958	473
528	8.380202	284	5	0327	284	9673	472
529	0486	284	5	0611	284	9389	471
0.01530	0770	283	5	0895	284	9105	0.98470
531	1053	284	4	1179	284	8821	469
532	1337	283	4	1463	283	8538	468
533	1620	283	4	1746	283	8254	467
534	1903	283	4	2029	283	7971	466
535	2186	283	4	2312	283	7688	465
536	2469	283	4	2595	283	7405	464
537	2752	282	3	2878	283	7122	463
538	3034	282	3	3161	282	6839	462
539	3316	282	3	3443	282	6557	461
0.01540	3598	282	3	3725	282	6275	0.98460
541	3880	282	3	4007	282	5993	459
542	4162	281	2	4289	282	5711	458
543	4443	282	2	4571	281	5429	457
544	4725	281	2	4852	282	5148	456
545	5006	281	2	5134	282	4866	455
546	5287	280	2	5415	281	4585	454
547	5567	281	2	5696	280	4304	453
548	5848	280	2	5976	281	4024	452
549	6128	281	1	6257	280	3743	451
0.01550	8.386409		9.999871	8.386537		11.613463	0.98450
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01550	8.386409	280	9.999871	8.386537	281	11.613463	0.98450
551	6689	280	1	6818	280	3182	449
552	6969	279	1	7098	280	2902	448
553	7248	280	1	7378	279	2623	447
554	7528	279	1	7657	280	2343	446
555	7807	279	0	7937	279	2063	445
556	8086	279	0	8216	279	1784	444
557	8365	279	9.999870	8495	279	1505	443
558	8644	279	9.999870	8774	279	1226	442
559	8923	278	0	9053	278	0947	441
0.01560	9201	278	0	9331	279	0669	0.98440
561	9479	278	69	9610	278	0390	439
562	8.389757	278	69	8.389888	278	11.610112	438
563	8.390035	278	69	8.390166	278	11.609834	437
564	0313	278	69	0444	278	9556	436
565	0591	277	69	0722	277	9278	435
566	0868	277	69	0999	278	9001	434
567	1145	277	68	1277	277	8723	433
568	1422	277	68	1554	277	8446	432
569	1699	277	68	1831	277	8169	431
0.01570	1976	276	68	2108	276	7892	0.98430
571	2252	276	68	2384	277	7616	429
572	2528	276	67	2661	276	7339	428
573	2804	276	67	2937	276	7063	427
574	3080	276	67	3213	276	6787	426
575	8.393356	276	9.999967	8.393489	276	11.606511	425
576	3632	275	7	3765	275	6235	424
577	3907	275	7	4040	276	5960	423
578	4182	275	7	4316	275	5684	422
579	4457	275	6	4591	275	5409	421
0.01580	4732	275	6	4866	275	5134	0.98420
581	5007	275	6	5141	275	4859	419
582	5282	274	6	5416	274	4584	418
583	5556	274	6	5690	275	4310	417
584	5830	274	6	5965	274	4035	416
585	6104	274	5	6239	274	3761	415
586	6378	274	5	6513	274	3487	414
587	6652	273	5	6787	274	3213	413
588	6925	274	5	7061	273	2940	412
589	7199	273	5	7334	273	2666	411
0.01590	7472	273	5	7607	274	2393	0.98410
591	7745	273	4	7881	273	2120	409
592	8018	272	4	8154	272	1847	408
593	8290	273	4	8426	273	1574	407
594	8563	272	4	8699	272	1301	406
595	8835	272	4	8971	273	1029	405
596	9107	272	4	9244	272	0756	404
597	9379	272	3	9516	272	0484	403
598	9651	272	3	8.399788	272	11.600212	402
599	8.399923	271	3	8.400060	271	11.599940	401
0.01600	8.400194		9.999863	8.400331		11.599669	0.98400
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01600	8.400194	271	9.999863	8.400331	272	11.599669	0.98400
601	0465	272	3	0603	271	9397	399
602	0737	271	3	0874	271	9126	398
603	1008	270	2	1145	271	8855	397
604	1278	271	2	1416	271	8584	396
605	1549	270	2	1687	271	8313	395
606	1819	271	2	1958	270	8042	394
607	2090	270	2	2228	270	7772	393
608	2360	270	1	2498	270	7502	392
609	2630	270	1	2768	270	7232	391
0.01610	2900	269	1	3038	270	6962	0.98390
611	3169	270	1	3308	270	6692	389
612	3439	269	1	3578	269	6422	388
613	3708	269	1	3847	270	6153	387
614	3977	269	0	4117	269	5884	386
615	4246	269	0	4386	269	5614	385
616	4515	268	9.999860	4655	268	5346	384
617	4783	269	9.999860	4923	269	5077	383
618	5052	268	60	5192	268	4808	382
619	5320	268	60	5460	269	4540	381
0.01620	5588	268	59	5729	268	4271	0.98380
621	5856	268	59	5997	268	4003	379
622	6124	267	59	6265	268	3735	378
623	6391	268	59	6533	267	3468	377
624	6659	267	59	6800	268	3200	376
625	8.406926	267	9.999859	8.407068	267	11.592932	375
626	7193	267	58	7335	267	2665	374
627	7460	267	58	7602	267	2398	373
628	7727	267	58	7869	267	2131	372
629	7994	266	58	8136	266	1864	371
0.01630	8260	266	58	8402	267	1598	0.98370
631	8526	267	58	8669	266	1331	369
632	8793	265	57	8935	266	1065	368
633	9058	266	7	9201	266	0799	367
634	9324	266	7	9467	266	0533	366
635	9590	265	7	9733	266	0267	365
636	8.409855	266	7	8.409999	265	11.590001	364
637	8.410121	265	6	8.410264	266	11.589736	363
638	0386	265	6	0530	265	9470	362
639	0651	265	6	0795	265	9205	361
0.01640	0916	264	6	1060	265	8940	0.98360
641	1180	265	6	1325	264	8675	359
642	1445	264	6	1589	265	8411	358
643	1709	264	5	1854	264	8146	357
644	1973	264	5	2118	265	7882	356
645	2237	264	5	2383	264	7618	355
646	2501	264	5	2647	263	7354	354
647	2765	264	5	2910	264	7090	353
648	3029	263	5	3174	264	6826	352
649	3292	263	4	3438	263	6562	351
0.01650	8.413555		9.999854	8.413701		11.586299	0.98350
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01650	8.413555	263	9.999854	8.413701	263	11.586299	0.98350
651	3818	263	4	3964	263	6036	349
652	4081	263	4	4227	263	5773	348
653	4344	263	4	4490	263	5510	347
654	4607	262	3	4753	263	5247	346
655	4869	262	3	5016	262	4984	345
656	5131	262	3	5278	263	4722	344
657	5393	262	3	5541	262	4460	343
658	5655	262	3	5803	262	4197	342
659	5917	262	3	6065	261	3935	341
0.01660	6179	261	2	6326	262	3674	0.98340
661	6440	262	2	6588	262	3412	339
662	6702	261	2	6850	261	3150	338
663	6963	261	2	7111	261	2889	337
664	7224	261	2	7372	261	2628	336
665	7485	260	2	7633	261	2367	335
666	7745	261	1	7894	261	2106	334
667	8006	260	1	8155	260	1845	333
668	8266	261	1	8415	261	1585	332
669	8527	260	1	8676	260	1324	331
0.01670	8787	260	1	8936	260	1064	0.98330
671	9047	259	0	9196	260	0804	329
672	9306	260	0	9456	260	0544	328
673	9566	259	9.999850	9716	259	0284	327
674	8.419825	260	9.999850	8.419975	260	11.580025	326
675	8.420085	259	50	8.420235	259	11.579765	325
676	0344	259	50	0494	259	9506	324
677	0603	259	49	0753	259	9247	323
678	0862	259	49	1012	259	8988	322
679	1120	258	49	1271	259	8729	321
0.01680	1379	259	49	1530	259	8470	0.98320
681	1637	258	49	1789	258	8212	319
682	1895	258	48	2047	258	7953	318
683	2153	258	48	2305	258	7695	317
684	2411	258	48	2563	258	7437	316
685	2669	258	48	2821	258	7179	315
686	2927	258	48	3079	258	6921	314
687	3184	257	48	3337	257	6663	313
688	3441	257	47	3594	257	6406	312
689	3699	258	47	3851	258	6149	311
0.01690	3956	257	47	4109	257	5891	0.98310
691	4212	256	47	4366	257	5634	309
692	4469	257	47	4623	256	5378	308
693	4726	257	46	4879	257	5121	307
694	4982	256	46	5136	256	4864	306
695	5238	256	46	5392	257	4608	305
696	5494	256	46	5649	256	4352	304
697	5750	256	46	5905	256	4095	303
698	6006	256	46	6161	255	3839	302
699	6262	256	45	6416	256	3584	301
0.01700	8.426517	255	9.999845	8.426672	256	11.573328	0.98300
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01700	8.426517	256	9.999845	8.426672	256	11.573328	0.98300
701	6773	255	5	6928	255	3072	299
702	7028	255	5	7183	255	2817	298
703	7283	255	5	7438	255	2562	297
704	7538	254	4	7693	255	2307	296
705	7792	255	4	7948	255	2052	295
706	8047	254	4	8203	255	1797	294
707	8301	255	4	8458	254	1543	293
708	8556	254	4	8712	254	1288	292
709	8810	254	4	8966	255	1034	291
0.01710	9064	254	3	9221	254	0780	0.98290
711	9318	253	3	9475	253	0526	289
712	9571	254	3	9728	254	0272	288
713	8.429825	253	3	8.429982	254	11.570018	287
714	8.430078	254	3	8.430236	253	11.569764	286
715	0332	253	2	0489	253	9511	285
716	0585	253	2	0742	254	9258	284
717	0838	252	2	0996	253	9005	283
718	1090	253	2	1249	252	8752	282
719	1343	253	2	1501	253	8499	281
0.01720	1596	252	2	1754	253	8246	0.98280
721	1848	252	1	2007	252	7993	279
722	2100	252	1	2259	252	7741	278
723	2352	252	1	2511	252	7489	277
724	2604	252	1	2763	252	7237	276
725	8.432856	252	1	8.433015	252	11.566985	275
726	3108	251	0	3267	252	6733	274
727	3359	251	0	3519	252	6481	273
728	3610	252	9.999840	3770	251	6230	272
729	3862	251	9.999840	4022	252	5978	271
0.01730	4113	250	40	4273	251	5727	0.98270
731	4363	251	39	4524	251	5476	269
732	4614	251	39	4775	251	5225	268
733	4865	250	39	5026	250	4974	267
734	5115	251	39	5276	251	4724	266
735	5366	250	39	5527	250	4473	265
736	5616	250	39	5777	251	4223	264
737	5866	250	38	6028	250	3973	263
738	6116	249	38	6278	250	3722	262
739	6365	250	38	6528	249	3473	261
0.01740	6615	250	38	6777	250	3223	0.98260
741	6865	249	37	7027	249	2973	259
742	7114	249	37	7276	250	2724	258
743	7363	249	37	7526	249	2474	257
744	7612	249	37	7775	249	2225	256
745	7861	249	37	8024	249	1976	255
746	8110	248	37	8273	249	1727	254
747	8358	249	36	8522	249	1478	253
748	8607	248	36	8771	248	1230	252
749	8855	248	36	9019	248	0981	251
0.01750	8.439103		9.999836	8.439267		11.560733	0.98250
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01750	8.439103	248	9.999836	8.439267	249	11.560733	0.98250
751	9351	248	6	9516	248	0484	249
752	9599	248	6	8.439764	248	11.560236	248
753	8.439847	248	5	8.440012	247	11.559988	247
754	8.440095	247	5	0259	248	9741	246
755	0342	247	5	0507	248	9493	245
756	0589	248	5	0755	247	9246	244
757	0837	247	5	1002	247	8998	243
758	1084	247	4	1249	247	8751	242
759	1331	246	4	1496	247	8504	241
0.01760	1577	247	4	1743	247	8257	0.98240
761	1824	246	4	1990	247	8010	239
762	2070	247	4	2237	246	7763	238
763	2317	246	3	2483	247	7517	237
764	2563	246	3	2730	246	7270	236
765	2809	246	3	2976	246	7024	235
766	3055	246	3	3222	246	6778	234
767	3301	245	3	3468	246	6532	233
768	3546	246	3	3714	246	6286	232
769	3792	245	2	3960	245	6041	231
0.01770	4037	245	2	4205	246	5795	0.98230
771	4282	246	2	4451	245	5550	229
772	4528	245	2	4696	245	5304	228
773	4773	244	1	4941	245	5059	227
774	5017	245	1	5186	245	4814	226
775	8.445262	245	9.999831	8.445431	245	11.554569	225
776	5507	244	1	5676	244	4325	224
777	5751	244	1	5920	245	4080	223
778	5995	244	1	6165	244	3835	222
779	6239	244	0	6409	244	3591	221
0.01780	6483	244	0	6653	244	3347	0.98220
781	6727	244	9.999830	6897	244	3103	219
782	6971	243	9.999830	7141	244	2859	218
783	7214	244	30	7385	244	2615	217
784	7458	243	30	7628	243	2372	216
785	7701	243	29	7872	244	2128	215
786	7944	243	29	8115	243	1885	214
787	8187	243	29	8359	244	1642	213
788	8430	243	29	8602	243	1398	212
789	8673	243	29	8845	243	1155	211
0.01790	8916	243	28	9087	242	0913	0.98210
791	9158	242	28	9330	243	0670	209
792	9401	243	28	9573	243	0427	208
793	9643	242	28	8.449815	242	11.550185	207
794	8.449885	242	28	8.450057	242	11.549943	206
795	8.450127	242	27	0299	242	9701	205
796	0369	242	27	0541	242	9459	204
797	0610	241	27	0783	242	9217	203
798	0852	242	27	1025	242	8975	202
799	1093	241	27	1267	242	8733	201
0.01800	8.451335	242	9.999826	8.451508	241	11.548492	0.98200
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.018.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01800	8.451335		9.999826	8.451508		11.548492	0.98200
		241			242		
801	1576		6	1750		8251	199
802	1817	241	6	1991	241	8009	198
803	2058	241	6	2232	241	7768	197
804	2298	240	6	2473	241	7527	196
805	2539	241	5	2714	241	7287	195
		240			240		
806	2779		5	2954		7046	194
807	3020	241	5	3195	241	6805	193
808	3260	240	5	3435	240	6565	192
809	3500	240	5	3675	240	6325	191
0.01810	3740	240	4	3916	241	6085	0.98190
		240			240		
811	3980		4	4156		5845	189
812	4219	239	4	4395	239	5605	188
813	4459	240	4	4635	240	5365	187
814	4698	239	4	4875	240	5125	186
815	4938	240	4	5114	239	4886	185
		239			240		
816	5177		3	5354		4647	184
817	5416	239	3	5593	239	4407	183
818	5655	239	3	5832	239	4168	182
819	5894	239	3	6071	239	3929	181
0.01820	6132	238	3	6310	239	3690	0.98180
		239			238		
821	6371		2	6548		3452	179
822	6609	238	2	6787	239	3213	178
823	6847	238	2	7025	238	2975	177
824	7085	238	2	7264	239	2736	176
825	8.457323	238	9.999822	8.457502	238	11.542498	175
		238			238		
826	7561		1	7740		2260	174
827	7799	238	1	7978	238	2022	173
828	8036	237	1	8216	238	1785	172
829	8274	238	1	8453	237	1547	171
0.01830	8511	237	1	8691	238	1309	0.98170
		237			237		
831	8748		0	8928		1072	169
832	8985	237	0	9165	237	0835	168
833	9222	237	9.999820	9402	237	0598	167
834	9459	237	9.999820	9639	237	0361	166
835	9696	237	20	8.459876	237	11.540124	165
		236			237		
836	8.459932		19	8.460113		11.539887	164
837	8.460169	237	19	0350	237	9650	163
838	0405	236	19	0586	236	9414	162
839	0641	236	19	0822	236	9178	161
0.01840	0877	236	19	1059	237	8941	0.98160
		236			236		
841	1113		18	1295		8705	159
842	1349	236	18	1531	236	8469	158
843	1585	236	18	1767	236	8233	157
844	1820	235	18	2002	235	7998	156
845	2056	236	18	2238	236	7762	155
		235			235		
846	2291		17	2473		7527	154
847	2526	235	17	2709	236	7291	153
848	2761	235	17	2944	235	7056	152
849	2996	235	17	3179	235	6821	151
0.01850	8.463231	235	9.999817	8.463414	235	11.536586	0.98150
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.981.

0.018.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01850	8.463231	234	9.999817	8.463414	235	11.536586	0.98150
851	3465	235	6	3649	234	6351	149
852	3700	234	6	3883	235	6117	148
853	3934	234	6	4118	234	5882	147
854	4168	234	6	4352	235	5648	146
855	4402	234	6	4587	234	5413	145
856	4636	234	5	4821	234	5179	144
857	4870	234	5	5055	234	4945	143
858	5104	234	5	5289	234	4711	142
859	5338	233	5	5523	233	4477	141
0.01860	5571	233	5	5756	234	4244	0.98140
861	5804	234	4	5990	233	4010	139
862	6038	233	4	6223	234	3777	138
863	6271	233	4	6457	233	3543	137
864	6504	233	4	6690	233	3310	136
865	6737	232	4	6923	233	3077	135
866	6969	233	3	7156	233	2844	134
867	7202	232	3	7389	232	2611	133
868	7434	233	3	7621	233	2379	132
869	7667	232	3	7854	232	2146	131
0.01870	7899	232	3	8086	233	1914	0.98130
871	8131	232	2	8319	232	1681	129
872	8363	232	2	8551	232	1449	128
873	8595	232	2	8783	232	1217	127
874	8827	231	2	9015	232	0985	126
875	8.469058	232	9.999812	8.469247	231	11.530753	125
876	9290	231	1	9478	232	0522	124
877	9521	232	1	9710	232	0290	123
878	9753	231	1	8.469942	231	11.530059	122
879	8.469984	231	1	8.470173	231	11.529827	121
0.01880	8.470215	231	1	0404	231	9596	0.98120
881	0446	230	0	0635	231	9365	119
882	0676	231	0	0866	231	9134	118
883	0907	230	9.999810	1097	231	8903	117
884	1137	231	9.999810	1328	230	8672	116
885	1368	230	10	1558	231	8442	115
886	1598	230	09	1789	230	8211	114
887	1828	230	09	2019	230	7981	113
888	2058	230	09	2249	230	7751	112
889	2288	230	09	2479	230	7521	111
0.01890	2518	230	09	2709	230	7291	0.98110
891	2748	229	08	2939	230	7061	109
892	2977	230	08	3169	230	6831	108
893	3207	229	08	3399	229	6602	107
894	3436	229	08	3628	229	6372	106
895	3665	229	07	3858	230	6143	105
896	3894	229	07	4087	229	5913	104
897	4123	229	07	4316	229	5684	103
898	4352	228	07	4545	229	5455	102
899	4580	229	07	4774	229	5226	101
0.01900	8.474809		9.999807	8.475003		11.524998	0.98100
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.981.

0.019.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01900	8.474809		9.999807	8.475003		11.524998	0.98100
901	5038	229	6	5231	228	4769	099
902	5266	228	6	5460	229	4540	098
903	5494	228	6	5688	228	4312	097
904	5722	228	6	5916	228	4084	096
905	5950	228	6	6145	229	3856	095
906	6178	228	5	6373	228	3627	094
907	6406	227	5	6601	228	3400	093
908	6633	228	5	6828	227	3172	092
909	6861	227	5	7056	228	2944	091
0.01910	7088	227	5	7284	228	2716	0.98090
911	7315	228	4	7511	227	2489	089
912	7543	227	4	7738	227	2262	088
913	7770	226	4	7966	228	2034	087
914	7996	227	4	8193	227	1807	086
915	8223	227	4	8420	227	1580	085
916	8450	226	3	8647	227	1354	084
917	8676	227	3	8873	226	1127	083
918	8903	226	3	9100	227	0900	082
919	9129	226	3	9326	226	0674	081
0.01920	9355	226	3	9553	227	0447	0.98080
921	9581	226	2	8.479779	226	11.520221	079
922	8.479807	226	2	8.480005	226	11.519995	078
923	8.480033	226	2	0231	226	9769	077
924	0259	226	2	0457	226	9543	076
925	0484	225	9.999801	0683	226	9317	075
926	0710	226	1	0909	226	9091	074
927	0935	225	1	1134	225	8866	073
928	1161	226	1	1360	226	8640	072
929	1386	225	1	1585	225	8415	071
0.01930	1611	225	0	1810	225	8190	0.98070
931	1836	225	0	2035	225	7965	069
932	2060	224	9.999800	2260	225	7740	068
933	2285	225	9.999800	2485	225	7515	067
934	2510	225	800	2710	225	7290	066
935	2734	224	9.999799	2935	225	7065	065
936	2958	224	9	3159	224	6841	064
937	3183	225	9	3384	225	6617	063
938	3407	224	9	3608	224	6392	062
939	3631	224	9	3832	224	6168	061
0.01940	3854	223	8	4056	224	5944	0.98060
941	4078	224	8	4280	224	5720	059
942	4302	224	8	4504	224	5496	058
943	4525	223	8	4728	224	5272	057
944	4749	224	8	4951	223	5049	056
945	4972	223	7	5175	224	4825	055
946	5195	223	7	5398	223	4602	054
947	5418	223	7	5621	223	4379	053
948	5641	223	7	5844	223	4156	052
949	5864	223	6	6067	223	3933	051
0.01950	8.486087		9.999798	8.486290		11.513710	0.98050
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.980.

0. 019.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.01950	8.486087	222	9.999796	8.486290	223	11.513710	0.98050
951	6309	223	6	6513	223	3487	049
952	6532	222	6	6736	222	3264	048
953	6754	222	6	6958	223	3042	047
954	6976	222	5	7181	222	2819	046
955	7198	222	5	7403	222	2597	045
956	7420	222	5	7625	223	2375	044
957	7642	222	5	7848	222	2153	043
958	7864	222	5	8070	221	1931	042
959	8086	221	4	8291	222	1709	041
0.01960	8307	222	4	8513	222	1487	0.98040
961	8529	221	4	8735	221	1265	039
962	8750	221	4	8956	222	1044	038
963	8971	222	3	9178	221	0822	037
964	9193	221	3	9399	221	0601	036
965	9414	220	3	9620	222	0380	035
966	9634	221	3	8.489842	221	11.510159	034
967	8.489855	221	3	8.490063	220	11.509938	033
968	8.490076	220	2	0283	221	9717	032
969	0296	221	2	0504	221	9496	031
0.01970	0517	220	2	0725	220	9275	0.98030
971	0737	220	2	0945	221	9055	029
972	0957	220	1	1166	220	8834	028
973	1177	220	1	1386	220	8614	027
974	1397	220	1	1606	220	8394	026
975	8.491617	220	1	8.491826	220	11.508174	025
976	1837	220	1	2046	220	7954	024
977	2057	220	1	2266	220	7734	023
978	2276	219	0	2486	220	7514	022
979	2496	220	9.999790	2706	220	7294	021
0.01980	2715	219	9.999790	2925	219	7075	0.98020
981	2934	219	90	3145	220	6855	019
982	3153	219	90	3364	219	6636	018
983	3372	219	89	3583	219	6417	017
984	3591	219	89	3802	219	6198	016
985	3810	219	89	4021	219	5979	015
986	4029	219	89	4240	219	5760	014
987	4247	218	88	4459	219	5541	013
988	4466	219	88	4678	218	5323	012
989	4684	218	88	4896	218	5104	011
0.01990	4902	218	88	5114	219	4886	0.98010
991	5120	218	88	5333	218	4667	009
992	5338	218	87	5551	218	4449	008
993	5556	218	87	5769	218	4231	007
994	5774	218	87	5987	218	4013	006
995	5992	217	87	6205	218	3795	005
996	6209	218	86	6423	217	3577	004
997	6427	217	86	6640	218	3360	003
998	6644	217	86	6858	217	3142	002
0.01999	6861	217	86	7075	218	2925	001
0.02000	8.497078	217	9.999786	8.497293	218	11.502707	0.98000
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log Tang.	Arc.

0. 980.

0. 020.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02000	8.497078	218	9.999786	8.497293	217	11.502707	0.98000
001	7296	216	5	7510	217	2490	0.97999
002	7512	217	5	7727	217	2273	998
003	7729	217	5	7944	217	2056	997
004	7946	217	5	8161	217	1839	996
005	8163	216	5	8378	217	1622	995
006	8379	216	4	8595	216	1405	994
007	8595	217	4	8811	217	1189	993
008	8812	216	4	9028	216	0972	992
009	9028	216	4	9244	216	0756	991
0.02010	9244	216	4	9460	216	0540	0.97990
011	9460	216	3	9676	217	0324	989
012	9676	215	3	8.499893	215	11.500108	988
013	8.499891	216	3	8.500108	216	11.499892	987
014	8.500107	215	3	0324	216	9676	986
015	0322	216	2	0540	216	9460	985
016	0538	215	2	0756	215	9244	984
017	0753	215	2	0971	216	9029	983
018	0968	215	2	1187	215	8814	982
019	1183	215	2	1402	215	8598	981
0.02020	1398	215	1	1617	215	8383	0.97980
021	1613	215	1	1832	215	8168	979
022	1828	215	1	2047	215	7953	978
023	2043	214	1	2262	215	7738	977
024	2257	215	1	2477	214	7523	976
025	8.502472	214	0	8.502691	215	11.497309	975
026	2686	214	9.999780	2906	214	7094	974
027	2900	214	9.999780	3120	215	6880	973
028	3114	214	80	3335	214	6665	972
029	3328	214	79	3549	214	6451	971
0.02030	3542	214	9	3763	214	6237	0.97970
031	3756	214	9	3977	214	6023	969
032	3970	213	9	4191	214	5809	968
033	4183	214	9	4405	214	5595	967
034	4397	213	8	4619	213	5381	966
035	4610	214	8	4832	214	5168	965
036	4824	213	8	5046	213	4954	964
037	5037	213	8	5259	214	4741	963
038	5250	213	7	5473	213	4528	962
039	5463	213	7	5686	213	4314	961
0.02040	5676	213	7	5899	213	4101	0.97960
041	5889	212	7	6112	213	3888	959
042	6101	213	7	6325	212	3675	958
043	6314	212	6	6537	213	3463	957
044	6526	213	6	6750	213	3250	956
045	6739	212	6	6963	212	3037	955
046	6951	212	6	7175	212	2825	954
047	7163	212	6	7387	213	2613	953
048	7375	212	5	7600	212	2400	952
049	7587	212	5	7812	212	2188	951
0.02050	8.507799		9.999775	8.508024		11.491976	0.97950
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 979.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02050	8.507799	211	9.999775	8.508024	212	11.491976	0.97950
051	8010	212	5	8236	212	1764	949
052	8222	212	4	8448	211	1552	948
053	8434	211	4	8659	212	1341	947
054	8645	211	4	8871	212	1129	946
055	8856	212	4	9083	211	0917	945
056	9068	211	4	9294	211	0706	944
057	9279	211	3	9505	212	0495	943
058	9490	211	3	9717	211	0283	942
059	9701	210	3	8.509928	211	11.490072	941
0.02060	8.509911	211	3	8.510139	211	11.489861	0.97940
061	8.510122	211	2	0350	210	9650	939
062	0333	210	2	0560	210	9440	938
063	0543	211	2	0771	211	9229	937
064	0754	210	2	0982	210	9018	936
065	0964	210	2	1192	211	8808	935
066	1174	210	1	1403	210	8597	934
067	1384	210	1	1613	210	8387	933
068	1594	210	1	1823	210	8177	932
069	1804	210	1	2033	210	7967	931
0.02070	2014	209	0	2243	210	7757	0.97930
071	2223	210	9.999770	2453	210	7547	929
072	2433	209	9.999770	2663	210	7337	928
073	2642	210	70	2873	209	7127	927
074	2852	209	70	3082	210	6918	926
075	8.513061	209	69	8.513292	209	11.486708	925
076	3270	209	69	3501	209	6499	924
077	3479	209	69	3711	210	6290	923
078	3688	209	69	3920	209	6080	922
079	3897	209	68	4129	209	5871	921
0.02080	4106	209	8	4338	209	5662	0.97920
081	4315	209	8	4547	209	5453	919
082	4523	208	8	4756	209	5245	918
083	4732	209	8	4964	208	5036	917
084	4940	208	7	5173	209	4827	916
085	5148	208	7	5381	208	4619	915
086	5357	209	7	5590	209	4410	914
087	5565	208	7	5798	208	4202	913
088	5773	208	6	6006	208	3994	912
089	5980	207	6	6214	208	3786	911
0.02090	6188	208	6	6422	208	3578	0.97910
091	6396	208	6	6630	208	3370	909
092	6603	207	6	6838	208	3162	908
093	6811	208	5	7046	208	2954	907
094	7018	207	5	7253	207	2747	906
095	7226	208	5	7461	208	2539	905
096	7433	207	5	7668	207	2332	904
097	7640	207	4	7875	207	2125	903
098	7847	207	4	8083	208	1917	902
099	8054	207	4	8290	207	1710	901
0.02100	8.518260	206	9.999764	8.518497	207	11.481503	0.97900
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02100	8.518260		9.999764	8.518497		11.481593	0.97900
101	8467	207	3	8704	207	1296	899
102	8674	207	3	8911	207	1090	898
103	8880	206	3	9117	206	0883	897
104	9087	207	3	9324	207	0676	896
105	9293	206	3	9530	206	0470	895
106	9499	206	2	9737	207	0263	894
107	9705	206	2	8.519943	206	11.480057	893
108	8.519911	206	2	8.520149	206	11.479851	892
109	8.520117	206	2	0355	206	9645	891
0.02110	0323	206	1	0561	206	9439	0.97890
111	0529	205	1	0767	206	9233	889
112	0734	206	1	0973	206	9027	888
113	0940	205	1	1179	206	8821	887
114	1145	205	1	1385	206	8616	886
115	1350	206	0	1590	205	8410	885
116	1556	205	9.999760	1796	206	8205	884
117	1761	205	9.999760	2001	205	7999	883
118	1966	205	60	2206	205	7794	882
119	2171	205	59	2411	205	7589	881
0.02120	2376	204	59	2616	205	7384	0.97880
121	2580	205	59	2821	205	7179	879
122	2785	204	59	3026	205	6974	878
123	2989	205	58	3231	205	6769	877
124	3194	204	9.999758	3436	205	6564	876
125	8.523398	204	8	8.523640	204	11.476360	875
126	3602	205	8	3845	205	6155	874
127	3807	204	7	4049	204	5951	873
128	4011	204	7	4253	204	5747	872
129	4215	204	7	4458	205	5543	871
0.02130	4419	203	7	4662	204	5338	0.97870
131	4622	204	7	4866	204	5134	869
132	4826	204	6	5070	204	4931	868
133	5030	203	6	5273	203	4727	867
134	5233	203	6	5477	204	4523	866
135	5436	204	6	5681	204	4319	865
136	5640	203	6	5884	203	4116	864
137	5843	203	5	6088	204	3912	863
138	6046	203	5	6291	203	3709	862
139	6249	203	5	6494	203	3506	861
0.02140	6452	203	5	6697	203	3303	0.97860
141	6655	202	4	6900	203	3100	859
142	6857	203	4	7103	203	2897	858
143	7060	203	4	7306	203	2694	857
144	7263	202	4	7509	203	2491	856
145	7465	202	3	7712	203	2288	855
146	7667	203	3	7914	202	2086	854
147	7870	202	3	8117	203	1883	853
148	8072	202	3	8319	202	1681	852
149	8274	202	3	8521	202	1479	851
0.02150	8.528476		9.999752	8.528724	203	11.471277	0.97850
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02150	8.528476		9.999752	8.528724		11.471277	0.97850
151	8678	202	2	8926	202	1074	849
152	8879	201	2	9128	202	0872	848
153	9081	202	2	9330	202	0671	847
154	9283	202	1	9531	201	0469	846
155	9484	201	1	9733	202	0267	845
156	9686	202	1	8.529935	202	11.470065	844
157	8.529887	201	1	8.530136	201	11.469864	843
158	8.530088	201	0	0338	202	9662	842
159	0289	201	0	0539	201	9461	841
0.02160	0490	201	9.999750	0740	201	9260	0.97840
161	0691	201	9.999750	0942	202	9059	839
162	0892	201	50	1143	201	8857	838
163	1093	201	49	1344	201	8656	837
164	1294	201	9	1544	200	8456	836
165	1494	200	9	1745	201	8255	835
166	1695	201	9	1946	201	8054	834
167	1895	200	8	2147	201	7853	833
168	2095	200	8	2347	200	7653	832
169	2295	200	8	2548	201	7453	831
0.02170	2496	201	8	2748	200	7252	0.97830
171	2696	200	7	2948	200	7052	829
172	2895	199	7	3148	200	6852	828
173	3095	200	7	3348	200	6652	827
174	3295	200	7	3548	200	6452	826
175	8.533495	200	9.999747	8.533748	200	11.466252	825
176	3694	199	6	3948	200	6052	824
177	3894	200	6	4148	200	5852	823
178	4093	199	6	4347	199	5653	822
179	4292	199	6	4547	200	5453	821
0.02180	4492	200	5	4746	199	5254	0.97820
181	4691	199	5	4946	200	5055	819
182	4890	199	5	5145	199	4855	818
183	5089	199	5	5344	199	4656	817
184	5287	198	4	5543	199	4457	816
185	5486	199	4	5742	199	4258	815
186	5685	199	4	5941	199	4059	814
187	5883	198	4	6140	199	3860	813
188	6082	199	3	6338	198	3662	812
189	6280	198	3	6537	199	3463	811
0.02190	6478	198	3	6735	198	3265	0.97810
191	6677	199	3	6934	199	3066	809
192	6875	198	3	7132	198	2868	808
193	7073	198	2	7330	198	2670	807
194	7271	198	2	7529	199	2472	806
195	7468	197	2	7727	198	2274	805
196	7666	198	2	7925	198	2076	804
197	7864	198	1	8122	197	1878	803
198	8061	197	1	8320	198	1680	802
199	8259	198	1	8518	198	1482	801
0.02200	8.538456	197	9.999741	8.538716	198	11.461285	0.97800
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02250	8.548212		9.999729	8.548483		11.451517	0.97750
251	8405	193	9	8676	193	1324	749
252	8598	193	8	8870	194	1131	748
253	8790	192	8	9062	192	0938	747
254	8983	193	8	9255	193	0745	746
255	9176	193	8	9448	193	0552	745
256	9368	192	7	9641	193	0359	744
257	9561	193	7	8.549833	192	11.450167	743
258	9753	192	7	8.550026	193	11.449974	742
259	8.549945	192	7	0218	192	9782	741
0.02260	8.550137	192	6	0411	193	9589	0.97740
261	0329	192	6	0603	192	9397	739
262	0521	192	6	0795	192	9205	738
263	0713	192	6	0987	192	9013	737
264	0905	192	5	1179	192	8821	736
265	1097	192	5	1371	192	8629	735
266	1288	191	5	1563	192	8437	734
267	1480	192	5	1755	192	8245	733
268	1671	191	4	1947	192	8053	732
269	1862	191	4	2138	191	7862	731
0.02270	2054	192	4	2330	192	7670	0.97730
271	2245	191	4	2521	191	7479	729
272	2436	191	3	2713	192	7287	728
273	2627	191	3	2904	191	7096	727
274	2818	191	3	3095	191	6905	726
275	8.553009	191	9.999723	8.553286	191	11.446714	725
276	3200	191	2	3477	191	6523	724
277	3390	190	2	3668	191	6332	723
278	3581	191	2	3859	191	6141	722
279	3771	190	2	4050	191	5950	721
0.02280	3962	191	1	4241	190	5760	0.97720
281	4152	190	1	4431	191	5569	719
282	4343	191	1	4622	190	5378	718
283	4533	190	1	4812	190	5188	717
284	4723	190	0	5002	191	4998	716
285	4913	190	9.999720	5193	190	4807	715
286	5103	190	9.999720	5383	190	4617	714
287	5293	189	20	5573	190	4427	713
288	5482	190	20	5763	190	4237	712
289	5672	190	9	5953	190	4047	711
0.02290	5862	189	9	6143	190	3857	0.97710
291	6051	190	9	6333	189	3668	709
292	6241	189	9	6522	190	3478	708
293	6430	189	8	6712	189	3288	707
294	6619	190	8	6901	190	3099	706
295	6809	189	8	7091	189	2909	705
296	6998	189	8	7280	189	2720	704
297	7187	189	7	7469	190	2531	703
298	7376	188	7	7659	189	2341	702
299	7564	189	7	7848	189	2152	701
0.02300	8.557753		9.999717	8.558037		11.441963	0.97700
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
.02200	8.538456		9.999741	8.538716		11.461285	0.97800
201	8653	197	0	8913	197	1087	799
202	8851	198	9.999740	9110	197	0890	798
203	9048	197	9.999740	9308	198	0692	797
204	9245	197	40	9505	197	0495	796
205	9442	197	9	9702	197	0298	795
206	9639	197	9	8.539899	197	11.460101	794
207	8.539835	196	9	8.540096	197	11.459904	793
208	8.540032	197	9	0293	197	9707	792
209	0228	196	9	0490	197	9510	791
.02210	0425	197	8	0687	197	9313	0.97790
211	0621	196	8	0883	196	9117	789
212	0818	197	8	1080	197	8920	788
213	1014	196	8	1276	196	8724	787
214	1210	196	7	1473	197	8527	786
215	1406	196	7	1669	196	8331	785
216	1602	196	7	1865	196	8135	784
217	1798	196	7	2061	196	7939	783
218	1994	196	6	2257	196	7743	782
219	2189	195	6	2453	196	7547	781
02220	2385	196	6	2649	196	7351	0.97780
221	2580	195	6	2845	196	7155	779
222	2776	196	5	3040	195	6960	778
223	2971	195	5	3236	196	6764	777
224	3166	195	5	3431	195	6569	776
225	8.543362	196	9.999735	8.543627	196	11.456373	775
226	3557	195	5	3822	195	6178	774
227	3752	195	4	4017	195	5983	773
228	3946	194	4	4212	196	5788	772
229	4141	195	4	4408	194	5593	771
02230	4336	195	4	4602	195	5398	0.97770
231	4531	195	3	4797	195	5203	769
232	4725	194	3	4992	195	5008	768
233	4920	195	3	5187	194	4813	767
234	5114	194	3	5381	195	4619	766
235	5308	194	2	5576	194	4424	765
236	5502	194	2	5770	195	4230	764
237	5697	195	2	5965	194	4035	763
238	5891	194	2	6159	194	3841	762
239	6084	193	1	6353	194	3647	761
2240	6278	194	1	6547	194	3453	0.97760
241	6472	194	1	6741	194	3259	759
242	6666	194	1	6935	194	3065	758
243	6859	193	0	7129	194	2871	757
244	7053	194	9.999730	7323	194	2677	756
245	7246	193	9.999730	7516	193	2484	755
246	7440	194	30	7710	194	2290	754
247	7633	193	9	7903	193	2097	753
248	7826	193	9	8097	194	1903	752
249	8019	193	9	8290	193	1710	751
250	8.548212	193	9.999729	8.548483	193	11.451517	0.97750
co	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Long. Tang	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02300	8.557753		9.999717	8.558037		11.441963	0.97700
301	7942	189	6	8226	189	1774	699
302	8131	189	6	8415	189	1586	698
303	8319	188	6	8603	188	1397	697
304	8508	189	6	8792	189	1208	696
305	8696	188	5	8981	189	1019	695
306	8884	188	5	9169	188	0831	694
307	9072	188	5	9358	189	0642	693
308	9261	189	5	9546	188	0454	692
309	9449	188	4	9734	188	0266	691
0.02310	9637	188	4	8.559923	189	11.440078	0.97690
311	8.559824	187	4	8.560111	188	11.439889	689
312	8.560012	188	4	0299	188	9701	688
313	0200	188	3	0487	188	9513	687
314	0388	188	3	0675	188	9325	686
315	0575	187	3	0862	187	9138	685
316	0763	188	3	1050	188	8950	684
317	0950	187	2	1238	188	8762	683
318	1137	187	2	1425	187	8575	682
319	1325	188	2	1613	188	8387	681
0.02320	1512	187	2	1800	187	8200	0.97680
321	1699	187	1	1988	188	8013	679
322	1886	187	1	2175	187	7825	678
323	2073	187	1	2362	187	7638	677
324	2260	187	1	2549	187	7451	676
325	8.562446	186	0	8.562736	187	11.437264	675
326	2633	187	9.999710	2923	187	7077	674
327	2820	186	9.999710	3110	187	6890	673
328	3006	187	10	3297	186	6704	672
329	3193	186	9	3483	187	6517	671
0.02330	3379	186	9	3670	186	6330	0.97670
331	3565	186	9	3856	187	6144	669
332	3751	186	9	4043	186	5957	668
333	3937	186	8	4229	186	5771	667
334	4123	186	8	4415	187	5585	666
335	4309	186	8	4602	186	5398	665
336	4495	186	8	4788	186	5212	664
337	4681	186	7	4974	186	5026	663
338	4867	185	7	5160	186	4840	662
339	5052	186	7	5346	185	4654	661
0.02340	5238	185	7	5531	186	4469	0.97660
341	5423	186	6	5717	186	4283	659
342	5609	185	6	5903	185	4097	658
343	5794	185	6	6088	186	3912	657
344	5979	186	6	6274	185	3726	656
345	6165	185	5	6459	186	3541	655
346	6350	185	5	6645	185	3356	654
347	6535	185	5	6830	185	3170	653
348	6720	184	5	7015	185	2985	652
349	6904	185	4	7200	185	2800	651
0.02350	8.567089		9.999704	8.567385	185	11.432615	0.97650
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

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Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02350	8.567089		9.999704	8.567385		11.432615	0.97650
351	7274	185	4	7570	185	2430	649
352	7458	184	4	7755	185	2245	648
353	7643	185	3	7940	185	2060	647
354	7827	184	3	8124	184	1876	646
355	8012	185	3	8309	185	1691	645
356	8196	184	3	8494	184	1507	644
357	8380	184	2	8678	184	1322	643
358	8564	184	2	8862	184	1138	642
359	8748	184	2	9047	185	0953	641
0.02360	8932	184	2	9231	184	0769	0.97640
361	9116	184	1	9415	184	0585	639
362	9300	184	1	9599	184	0401	638
363	9484	184	1	9783	184	0217	637
364	9668	183	1	8.569967	184	11.430033	636
365	8.569851	184	0	8.570151	184	11.429849	635
366	8.570035	183	9.999700	0335	183	9665	634
367	0218	183	9.999700	0518	184	9482	633
368	0401	184	700	0702	184	9298	632
369	0585	183	9	0886	183	9115	631
0.02370	0768	183	9	1069	183	8931	0.97630
371	0951	183	9	1252	184	8748	629
372	1134	183	9	1436	183	8564	628
373	1317	183	8	1619	183	8381	627
374	1500	183	8	1802	183	8198	626
375	8.571683	183	9.999698	8.571985	183	11.428015	625
376	1866	182	8	2168	183	7832	624
377	2048	183	7	2351	183	7649	623
378	2231	182	7	2534	183	7466	622
379	2413	183	7	2717	182	7284	621
0.02380	2596	182	6	2899	183	7101	0.97620
381	2778	182	6	3082	182	6918	619
382	2960	183	6	3264	183	6736	618
383	3143	182	6	3447	182	6553	617
384	3325	182	5	3629	183	6371	616
385	3507	182	5	3812	182	6189	615
386	3689	182	5	3994	182	6006	614
387	3871	181	5	4176	182	5824	613
388	4052	182	4	4358	182	5642	612
389	4234	182	4	4540	182	5460	611
0.02390	4416	181	4	4722	182	5278	0.97610
391	4597	182	4	4904	182	5096	609
392	4779	181	3	5086	181	4915	608
393	4960	182	3	5267	182	4733	607
394	5142	181	3	5449	181	4551	606
395	5323	181	3	5630	182	4370	605
396	5504	181	2	5812	181	4188	604
397	5685	181	2	5993	181	4007	603
398	5866	181	2	6175	181	3826	602
399	6047	181	2	6356	181	3644	601
0.02400	8.576228		9.999691	8.576537		11.423463	0.97600
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 976.

0. 024.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02400	8.576228		9.999691	8.576537		11.423463	0.97600
401	6409	181	1	6718	181	3282	599
402	6590	181	1	6899	181	3101	598
403	6771	181	1	7080	181	2920	597
404	6951	180	0	7261	181	2739	596
405	7132	181	9.999690	7442	181	2558	595
406	7312	180	9.999690	7622	180	2378	594
407	7493	181	90	7803	181	2197	593
408	7673	180	9	7984	181	2017	592
409	7853	180	9	8164	180	1836	591
0.02410	8033	180	9	8345	181	1656	0.97590
411	8213	180	9	8525	180	1475	589
412	8393	180	8	8705	180	1295	588
413	8573	180	8	8885	180	1115	587
414	8753	180	8	9065	180	0935	586
415	8933	180	7	9245	180	0755	585
416	9113	179	7	9425	180	0575	584
417	9292	180	7	9605	180	0395	583
418	9472	179	7	9785	180	0215	582
419	9651	180	6	8.579965	180	11.420035	581
0.02420	8.579831	179	6	8.580145	179	11.419856	0.97580
421	8.580010	179	6	0324	180	9676	579
422	0189	179	6	0504	179	9496	578
423	0368	180	5	0683	179	9317	577
424	0548	179	5	0862	180	9138	576
425	0727	179	9.999685	8.581042	179	11.418958	575
426	0906	178	5	1221	179	8779	574
427	1084	179	4	1400	179	8600	573
428	1263	179	4	1579	179	8421	572
429	1442	179	4	1758	179	8242	571
0.02430	1621	178	4	1937	179	8063	0.97570
431	1799	179	3	2116	179	7884	569
432	1978	178	3	2295	179	7705	568
433	2156	179	3	2474	178	7527	567
434	2335	178	3	2652	179	7348	566
435	2513	178	2	2831	178	7169	565
436	2691	178	2	3009	179	6991	564
437	2869	178	2	3188	178	6812	563
438	3047	178	2	3366	178	6634	562
439	3225	178	1	3544	178	6456	561
0.02440	3403	178	1	3722	179	6278	0.97560
441	3581	178	1	3901	178	6099	559
442	3759	178	0	4079	178	5921	558
443	3937	177	9.999680	4257	178	5743	557
444	4114	178	9.999680	4435	177	5566	556
445	4292	178	80	4612	178	5388	555
446	4470	177	9	4790	178	5210	554
447	4647	177	9	4968	177	5032	553
448	4824	178	9	5145	178	4855	552
449	5002	177	9	5323	177	4677	551
0.02450	8.585179		9.999678	8.585500		11.414500	0.97550
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 975.

0.024.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02450	8.585179		9.999678	8.585500		11.414500	0.97550
		177			178		
451	5356	177	8	5678	177	4322	549
452	5533	177	8	5855	177	4145	548
453	5710	177	8	6032	178	3968	547
454	5887	177	7	6210	177	3790	546
455	6064	177	7	6387	177	3613	545
		177			177		
456	6241	176	7	6564	177	3436	544
457	6417	177	7	6741	177	3259	543
458	6594	176	6	6918	177	3082	542
459	6770	177	6	7095	176	2906	541
0.02460	6947	176	6	7271	177	2729	0.97540
		177			177		
461	7123	176	5	7448	176	2552	539
462	7300	176	5	7625	177	2376	538
463	7476	176	5	7801	177	2199	537
464	7652	176	5	7978	176	2023	536
465	7828	176	4	8154	176	1846	535
		176			176		
466	8004	176	4	8330	177	1670	534
467	8180	176	4	8507	176	1494	533
468	8356	176	4	8683	176	1317	532
469	8532	176	3	8859	176	1141	531
0.02470	8708	176	3	9035	176	0965	0.97530
		176			176		
471	8884	175	3	9211	176	0789	529
472	9059	176	3	9387	176	0613	528
473	9235	175	2	9563	175	0438	527
474	9410	176	2	9738	176	0262	526
475	9586	175	9.999672	8.589914	176	11.410086	525
		175			175		
476	9761	176	1	8.590090	176	11.409910	524
477	8.589936	175	1	0265	175	9735	523
478	8.590112	176	1	0441	175	9559	522
479	0287	175	1	0616	175	9384	521
0.02480	0462	175	0	0791	176	9209	0.97520
		175			175		
481	0637	175	9.999670	0967	175	9033	519
482	0812	175	9.999670	1142	175	8858	518
483	0987	174	70	1317	175	8683	517
484	1161	175	9	1492	175	8508	516
485	1336	175	9	1667	175	8333	515
		174			175		
486	1511	175	9	1842	175	8158	514
487	1685	174	9	2017	174	7983	513
488	1860	175	8	2191	175	7809	512
489	2034	174	8	2366	175	7634	511
0.02490	2209	175	8	2541	175	7459	0.97510
		174			174		
491	2383	174	8	2715	175	7285	509
492	2557	174	7	2890	174	7110	508
493	2731	174	7	3064	175	6936	507
494	2905	174	7	3239	174	6761	506
495	3079	174	6	3413	174	6587	505
		174			174		
496	3253	174	6	3587	174	6413	504
497	3427	174	6	3761	174	6239	503
498	3601	174	6	3935	174	6065	502
499	3775	174	5	4109	174	5891	501
0.02500	8.593948	173	9.999665	8.594283	174	11.405717	0.97500
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.975.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02500	8.593948		9.999665	8.594283		11.405717	0.97500
501	4122	174	5	4457	174	5543	499
502	4295	173	5	4631	174	5369	498
503	4469	174	4	4805	174	5195	497
504	4642	173	4	4978	173	5022	496
505	4816	174	4	5152	174	4848	495
506	4989	173	3	5325	173	4675	494
507	5162	173	3	5499	174	4501	493
508	5335	173	3	5672	173	4328	492
509	5508	173	3	5846	174	4155	491
0.02510	5681	173	2	6019	173	3981	0.97490
511	5854	173	2	6192	173	3808	489
512	6027	173	2	6365	173	3635	488
513	6200	173	2	6538	173	3462	487
514	6372	172	1	6711	173	3289	486
515	6545	173	1	6884	173	3116	485
516	6718	173	1	7057	173	2943	484
517	6890	172	1	7230	173	2771	483
518	7062	172	9.999660	7402	172	2598	482
519	7235	173	9.999660	7575	173	2425	481
0.02520	7407	172	60	7747	172	2253	0.97480
521	7579	172	9	7920	173	2080	479
522	7751	172	9	8092	172	1908	478
523	7923	172	9	8265	173	1735	477
524	8095	172	9	8437	172	1563	476
525	8.598267	172	9.999658	8.598609	172	11.401391	475
526	8439	172	8	8781	172	1219	474
527	8611	172	8	8953	172	1047	473
528	8783	172	8	9125	172	0875	472
529	8955	172	7	9297	172	0703	471
0.02530	9126	171	7	9469	172	0531	0.97470
531	9298	172	7	9641	172	0359	469
532	9469	171	6	9813	172	0187	468
533	9641	172	6	8.599984	171	11.400016	467
534	9812	171	6	8.600156	172	11.399844	466
535	8.599983	171	6	0328	172	9673	465
536	8.600154	171	5	0499	171	9501	464
537	0325	171	5	0670	171	9330	463
538	0496	171	5	0842	172	9158	462
539	0667	171	5	1013	171	8987	461
0.02540	0838	171	4	1184	171	8816	0.97460
541	1009	171	4	1355	171	8645	459
542	1180	171	4	1526	171	8474	458
543	1351	171	3	1697	171	8303	457
544	1521	170	3	1868	171	8132	456
545	1692	171	3	2039	171	7961	455
546	1863	171	3	2210	171	7790	454
547	2033	170	2	2381	171	7619	453
548	2203	170	2	2551	170	7449	452
549	2374	171	2	2722	171	7278	451
0.02550	8.602544	170	9.999652	8.602892	171	11.397108	0.97450
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.025.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02550	8.602544		9.999652	8.602892		11.397108	0.97450
551	2714	170	1	3063	171	6937	449
552	2884	170	1	3233	170	6767	448
553	3054	170	1	3404	171	6596	447
554	3224	170	0	3574	170	6426	446
555	3394	170	9.999650	3744	170	6256	445
556	3564	170	9.999650	3914	170	6086	444
557	3734	170	50	4084	170	5916	443
558	3904	170	9	4254	170	5746	442
559	4073	169	9	4424	170	5576	441
0.02560	4243	170	9	4594	170	5406	0.97440
561	4412	169	9	4764	170	5236	439
562	4582	170	8	4934	170	5067	438
563	4751	169	8	5103	169	4897	437
564	4921	170	8	5273	170	4727	436
565	5090	169	7	5442	169	4558	435
566	5259	169	7	5612	170	4388	434
567	5428	169	7	5781	169	4219	433
568	5597	169	7	5951	170	4050	432
569	5766	169	6	6120	169	3880	431
0.02570	5935	169	6	6289	169	3711	0.97430
571	6104	169	6	6458	169	3542	429
572	6273	169	6	6627	169	3373	428
573	6441	168	5	6796	169	3204	427
574	6610	169	5	6965	169	3035	426
575	8.606779	169	9.999645	8.607134	169	11.392866	425
576	6947	168	4	7303	169	2697	424
577	7116	169	4	7472	168	2528	423
578	7284	168	4	7640	169	2360	422
579	7452	168	4	7809	168	2191	421
0.02580	7621	169	3	7977	169	2023	0.97420
581	7789	168	3	8146	168	1854	419
582	7957	168	3	8314	169	1686	418
583	8125	168	2	8483	168	1517	417
584	8293	168	2	8651	168	1349	416
585	8461	168	2	8819	168	1181	415
586	8629	168	2	8987	169	1013	414
587	8797	168	1	9156	168	0845	413
588	8965	167	1	9324	167	0677	412
589	9132	168	1	9491	168	0509	411
0.02590	9300	167	1	9659	168	0341	0.97410
591	9467	168	9.999640	9827	168	0173	409
592	9635	167	9.999640	8.609995	168	11.390005	408
593	9802	168	40	8.610163	167	11.389837	407
594	8.609970	167	9	0330	168	9670	406
595	8.610137	167	9	0498	167	9502	405
596	0304	167	9	0665	168	9335	404
597	0471	168	9	0833	167	9167	403
598	0639	167	8	1000	168	9000	402
599	0806	167	8	1168	167	8832	401
.002600	8.610973		9.999638	8.611335		11.388665	0.97400
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.026.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02600	8.610973		9.999638	8.611335		11.388665	0.97400
601	1139	166	7	1502	167	8498	399
602	1306	167	7	1669	167	8331	398
603	1473	167	7	1836	167	8164	397
604	1640	167	7	2003	167	7997	396
605	1806	166	6	2170	167	7830	395
606	1973	167	6	2337	167	7663	394
607	2140	167	6	2504	167	7496	393
608	2306	166	6	2671	166	7330	392
609	2472	166	5	2837	167	7163	391
0.02610	2639	167	5	3004	166	6996	0.97390
611	2805	166	5	3170	167	6830	389
612	2971	166	4	3337	166	6663	388
613	3137	166	4	3503	167	6497	387
614	3303	166	4	3670	166	6330	386
615	3469	166	4	3836	166	6164	385
616	3635	166	3	4002	166	5998	384
617	3801	166	3	4168	166	5832	383
618	3967	166	3	4334	167	5666	382
619	4133	166	2	4501	166	5500	381
0.02620	4299	165	2	4667	165	5334	0.97380
621	4464	166	2	4832	166	5168	379
622	4630	165	2	4998	166	5002	378
623	4795	166	1	5164	166	4836	377
624	4961	165	1	5330	165	4670	376
625	8.615126	165	1	8.615495	166	11.384505	375
626	5291	166	0	5661	166	4339	374
627	5457	165	9.999630	5827	165	4173	373
628	5622	165	9.999630	5992	165	4008	372
629	5787	165	30	6157	166	3843	371
0.02630	5952	165	9	6323	165	3677	0.97370
631	6117	165	9	6488	165	3512	369
632	6282	165	9	6653	166	3347	368
633	6447	165	8	6819	165	3182	367
634	6612	165	8	6984	165	3016	366
635	6777	164	8	7149	165	2851	365
636	6941	165	8	7314	165	2686	364
637	7106	164	7	7479	164	2522	363
638	7270	165	7	7643	165	2357	362
639	7435	164	7	7808	165	2192	361
0.02640	7599	165	7	7973	165	2027	0.97360
641	7764	164	6	8138	164	1863	359
642	7928	164	6	8302	165	1698	358
643	8092	165	6	8467	164	1533	357
644	8257	164	5	8631	165	1369	356
645	8421	164	5	8796	164	1205	355
646	8585	164	5	8960	164	1040	354
647	8749	164	5	9124	164	0876	353
648	8913	164	4	9288	165	0712	352
649	9077	163	4	9453	164	0547	351
0.02650	8.619240		9.999624	8.619617		11.380383	0.97350
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.973.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02650	8.619240		9.999624	8.619617		11.380383	0.97350
651	9404	164	3	9781	164	0219	349
652	9568	164	3	8.619945	164	11.380055	348
653	9731	163	3	8.620109	164	11.379891	347
654	8.619895	164	3	0273	163	9728	346
655	8.620059	164	2	0436	164	9564	345
656	0222	163	2	0600	164	9400	344
657	0385	163	2	0764	163	9236	343
658	0549	164	1	0927	164	9073	342
659	0712	163	1	1091	163	8909	341
0.02660	0875	163	1	1254	164	8746	0.97340
661	1038	163	1	1418	163	8582	339
662	1201	163	9.999620	1581	164	8419	338
663	1364	163	9.999620	1745	163	8256	337
664	1527	163	20	1908	163	8092	336
665	1690	163	9	2071	163	7929	335
666	1853	163	9	2234	163	7766	334
667	2016	163	9	2397	163	7603	333
668	2179	162	9	2560	163	7440	332
669	2341	163	8	2723	163	7277	331
0.02670	2504	162	8	2886	163	7114	0.97330
671	2666	163	8	3049	163	6951	329
672	2829	162	7	3212	162	6789	328
673	2991	163	7	3374	163	6626	327
674	3154	162	7	3537	162	6463	326
675	8.623316	162	9.999617	8.623699	163	11.376301	325
676	3478	162	6	3862	162	6138	324
677	3640	162	6	4024	163	5976	323
678	3802	162	6	4187	162	5813	322
679	3964	162	5	4349	162	5651	321
0.02680	4126	162	5	4511	163	5489	0.97320
681	4288	162	5	4674	162	5327	319
682	4450	162	4	4836	162	5164	318
683	4612	162	4	4998	162	5002	317
684	4774	161	4	5160	162	4840	316
685	4935	162	4	5322	162	4678	315
686	5097	162	3	5484	162	4516	314
687	5259	161	3	5646	161	4355	313
688	5420	162	3	5807	162	4193	312
689	5582	161	3	5969	162	4031	311
0.02690	5743	161	2	6131	161	3869	0.97310
691	5904	162	2	6292	162	3708	309
692	6066	161	2	6454	161	3546	308
693	6227	161	1	6615	162	3385	307
694	6388	161	1	6777	161	3223	306
695	6549	161	1	6938	162	3062	305
696	6710	161	0	7100	161	2901	304
697	6871	161	9.999610	7261	161	2739	303
698	7032	161	9.999610	7422	161	2578	302
699	7193	160	10	7583	161	2417	301
0.02700	8.627353		9.999609	8.627744		11.372256	0.97300
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02700	8.627353	161	9.999609	8.627744	161	11.372256	0.97300
701	7514	161	9	7905	161	2095	299
702	7675	160	9	8066	161	1934	298
703	7835	161	8	8227	161	1773	297
704	7996	161	8	8388	161	1612	296
705	8157	160	8	8549	160	1451	295
706	8317	160	8	8709	161	1291	294
707	8477	161	7	8870	161	1130	293
708	8638	160	7	9031	160	0969	292
709	8798	160	7	9191	161	0809	291
0.02710	8958	160	6	9352	160	0648	0.97290
711	9118	160	6	9512	160	0488	289
712	9278	160	6	9672	161	0328	288
713	9438	160	6	9833	160	0167	287
714	9598	160	5	8.629993	160	11.370007	286
715	9758	160	5	8.630153	160	11.369847	285
716	8.629918	160	5	0313	160	9687	284
717	8.630078	160	4	0473	160	9527	283
718	0237	159	4	0633	160	9367	282
719	0397	160	4	0793	160	9207	281
0.02720	0557	160	4	0953	160	9047	0.97280
721	0716	159	3	1113	160	8887	279
722	0876	160	3	1273	160	8727	278
723	1035	159	3	1433	159	8568	277
724	1195	160	2	1592	160	8408	276
725	8.631354	159	9.999602	8.631752	159	11.368248	275
726	1513	159	2	1911	160	8089	274
727	1672	159	1	2071	159	7929	273
728	1831	159	1	2230	160	7770	272
729	1990	159	1	2390	159	7611	271
0.02730	2149	159	1	2549	159	7451	0.97270
731	2308	159	0	2708	159	7292	269
732	2467	159	9.999600	2867	159	7133	268
733	2626	159	9.999600	3026	160	6974	267
734	2785	159	9	3186	159	6815	266
735	2944	158	9	3345	159	6656	265
736	3102	159	9	3504	158	6497	264
737	3261	158	9	3662	159	6338	263
738	3419	159	8	3821	159	6179	262
739	3578	158	8	3980	159	6020	261
0.02740	3736	159	8	4139	158	5861	0.97260
741	3895	158	7	4297	159	5703	259
742	4053	158	7	4456	159	5544	258
743	4211	159	7	4615	158	5385	257
744	4370	158	7	4773	159	5227	256
745	4528	158	6	4932	158	5069	255
746	4686	158	6	5090	158	4910	254
747	4844	158	6	5248	159	4752	253
748	5002	158	5	5407	158	4594	252
749	5160	158	5	5565	158	4435	251
0.02750	8.635318		9.999595	8.635723		11.364277	0.97250
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02750	8.635318	157	9.999595	8.635723	158	11.364277	0.97250
751	5475	158	4	5881	158	4119	249
752	5633	158	4	6039	158	3961	248
753	5791	157	4	6197	158	3803	247
754	5948	158	4	6355	158	3645	246
755	6106	157	3	6513	158	3487	245
756	6263	158	3	6671	157	3330	244
757	6421	157	3	6828	158	3172	243
758	6578	158	2	6986	158	3014	242
759	6736	157	2	7144	157	2856	241
0.02760	6893	157	2	7301	158	2699	0.97240
761	7050	157	1	7459	157	2541	239
762	7207	157	1	7616	158	2384	238
763	7364	158	1	7774	157	2226	237
764	7522	157	1	7931	157	2069	236
765	7679	156	0	8088	158	1912	235
766	7835	157	9.999590	8246	157	1755	234
767	7992	157	9.999590	8403	157	1597	233
768	8149	157	9	8560	157	1440	232
769	8306	157	9	8717	157	1283	231
0.02770	8463	156	9	8874	157	1126	0.97230
771	8619	157	9	9031	157	0969	229
772	8776	156	8	9188	157	0812	228
773	8932	157	8	9345	156	0656	227
774	9089	156	8	9501	157	0499	226
775	9245	157	9.999587	9658	157	0342	225
776	9402	156	7	9815	156	0185	224
777	9558	156	7	8.639971	157	11.360029	223
778	9714	157	6	8.640128	156	11.359872	222
779	8.639871	156	6	0284	157	9716	221
0.02780	8.640027	156	6	0441	156	9559	0.97220
781	0183	156	6	0597	157	9403	219
782	0339	156	5	0754	156	9246	218
783	0495	156	5	0910	156	9090	217
784	0651	156	5	1066	156	8934	216
785	0807	155	4	1222	156	8778	215
786	0962	156	4	1378	156	8622	214
787	1118	156	4	1534	156	8466	213
788	1274	156	3	1690	156	8310	212
789	1430	155	3	1846	156	8154	211
0.02790	1585	156	3	2002	156	7998	0.97210
791	1741	155	3	2158	156	7842	209
792	1896	156	2	2314	156	7686	208
793	2052	155	2	2470	155	7530	207
794	2207	155	2	2625	156	7375	206
795	2362	155	1	2781	155	7219	205
796	2517	156	1	2936	156	7064	204
797	2673	155	1	3092	155	6908	203
798	2828	155	0	3247	156	6753	202
799	2983	155	9.999580	3403	155	6597	201
0.02800	8.643138		9.999580	8.643558		11.356442	0.97200
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.028.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02800	8.643138	155	9.999580	8.643558	155	11.356442	0.97200
801	3293	155	80	3713	156	6287	199
802	3448	155	9	3869	155	6131	198
803	3603	155	9	4024	155	5976	197
804	3758	154	9	4179	155	5821	196
805	3912	155	8	4334	155	5666	195
806	4067	155	8	4489	155	5511	194
807	4222	154	8	4644	155	5356	193
808	4376	155	7	4799	155	5201	192
809	4531	154	7	4954	154	5046	191
0.02810	4685	155	7	5108	155	4892	0.97190
811	4840	154	7	5263	155	4737	189
812	4994	154	6	5418	154	4582	188
813	5148	155	6	5572	155	4428	187
814	5303	154	6	5727	155	4273	186
815	5457	154	5	5882	154	4119	185
816	5611	154	5	6036	154	3964	184
817	5765	154	5	6190	155	3810	183
818	5919	154	4	6345	154	3655	182
819	6073	154	4	6499	154	3501	181
0.02820	6227	154	4	6653	154	3347	0.97180
821	6381	154	4	6807	155	3193	179
822	6535	153	3	6962	154	3039	178
823	6688	154	3	7116	154	2885	177
824	6842	154	3	7270	154	2730	176
825	8.646996	153	9.999572	8.647424	153	11.352577	175
826	7149	154	2	7577	154	2423	174
827	7303	153	2	7731	154	2269	173
828	7456	154	1	7885	154	2115	172
829	7610	153	1	8039	154	1961	171
0.02830	7763	154	1	8193	153	1808	0.97170
831	7917	153	0	8346	154	1654	169
832	8070	153	9.999570	8500	153	1500	168
833	8223	153	9.999570	8653	154	1347	167
834	8376	153	70	8807	153	1193	166
835	8529	154	9	8960	154	1040	165
836	8683	153	9	9114	153	0887	164
837	8836	152	9	9267	153	0733	163
838	8988	153	8	9420	153	0580	162
839	9141	153	8	9573	153	0427	161
0.02840	9294	153	8	9726	154	0274	0.97160
841	9447	153	7	8.649880	153	11.350121	159
842	9600	152	7	8.650033	153	11.349967	158
843	9752	153	7	0186	153	9814	157
844	8.649905	153	7	0339	152	9662	156
845	8.650058	152	6	0491	153	9509	155
846	0210	153	6	0644	153	9356	154
847	0363	152	6	0797	153	9203	153
848	0515	152	5	0950	152	9050	152
849	0667	153	5	1102	152	8898	151
0.02850	8.650820		9.999565	8.651255		11.348745	0.97150
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.971.

0. 028.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02850	8.650820	152	9.999565	8.651255	153	11.348745	0.97150
851	0972	152	4	1408	152	8592	149
852	1124	152	4	1560	153	8440	148
853	1276	152	4	1713	152	8288	147
854	1428	152	3	1865	152	8135	146
855	1580	152	3	2017	153	7983	145
856	1732	152	3	2170	152	7830	144
857	1884	152	3	2322	152	7678	143
858	2036	152	2	2474	152	7526	142
859	2188	152	2	2626	152	7374	141
0.02860	2340	152	2	2778	152	7222	0.97140
861	2492	151	1	2930	152	7070	139
862	2643	152	1	3082	152	6918	138
863	2795	151	1	3234	152	6766	137
864	2946	152	0	3386	152	6614	136
865	3098	151	9.999560	3538	152	6462	135
866	3249	152	9.999560	3690	151	6310	134
867	3401	151	9	3841	152	6159	133
868	3552	151	9	3993	152	6007	132
869	3703	152	9	4145	151	5855	131
0.02870	3855	151	9	4296	152	5704	0.97130
871	4006	151	8	4448	151	5552	129
872	4157	151	8	4599	152	5401	128
873	4308	151	8	4751	151	5250	127
874	4459	151	7	4902	151	5098	126
875	8.654610	151	9.999557	8.655053	151	11.344947	125
876	4761	151	7	5204	152	4796	124
877	4912	151	6	5356	151	4645	123
878	5063	151	6	5507	151	4493	122
879	5214	150	6	5658	151	4342	121
0.02880	5364	151	5	5809	151	4191	0.97120
881	5515	151	5	5960	151	4040	119
882	5666	150	5	6111	151	3889	118
883	5816	151	5	6262	150	3739	117
884	5967	150	4	6412	151	3588	116
885	6117	150	4	6563	151	3437	115
886	6267	151	4	6714	151	3286	114
887	6418	150	3	6865	150	3136	113
888	6568	150	3	7015	151	2985	112
889	6718	151	3	7166	150	2834	111
0.02890	6869	150	2	7316	151	2684	0.97110
891	7019	150	2	7467	150	2533	109
892	7169	150	2	7617	150	2383	108
893	7319	150	1	7767	151	2233	107
894	7469	150	1	7918	150	2082	106
895	7619	150	1	8068	150	1932	105
896	7769	150	1	8218	150	1782	104
897	7919	149	9.999550	8368	150	1632	103
898	8068	150	9.999550	8518	150	1482	102
899	8218	150	50	8668	150	1332	101
0.02900	8.658368		9.999549	8.658818		11.341182	0.97100
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 971.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02900	8.658368	149	9.999549	8.658818	150	11.341182	0.97100
901	8517	150	9	8968	150	1032	099
902	8667	149	9	9118	150	0882	098
903	8816	150	8	9268	150	0732	097
904	8966	149	8	9418	150	0582	096
905	9115	150	8	9568	149	0432	095
906	9265	149	7	9717	150	0283	094
907	9414	149	7	8.659867	150	11.340133	093
908	9563	150	7	8.660017	149	11.339984	092
909	9713	149	6	0166	150	9834	091
0.02910	8.659862	149	6	0316	149	9685	0.97090
911	8.660011	149	6	0465	149	9535	089
912	0160	149	6	0614	150	9386	088
913	0309	149	5	0764	149	9236	087
914	0458	149	5	0913	149	9087	086
915	0607	149	5	1062	149	8938	085
916	0756	148	4	1211	149	8789	084
917	0904	149	4	1360	150	8640	083
918	1053	149	4	1510	149	8491	082
919	1202	148	3	1659	148	8342	081
0.02920	1350	149	3	1807	149	8193	0.97080
921	1499	149	3	1956	149	8044	079
922	1648	148	2	2105	149	7895	078
923	1796	149	2	2254	149	7746	077
924	1945	148	2	2403	149	7597	076
925	8.662093	148	1	8.662552	148	11.337449	075
926	2241	149	1	2700	149	7300	074
927	2390	148	1	2849	148	7151	073
928	2538	148	1	2997	149	7003	072
929	2686	148	9.999540	3146	148	6854	071
0.02930	2834	148	9.999540	3294	149	6706	0.97070
931	2982	148	40	3443	148	6557	069
932	3130	148	9	3591	148	6409	068
933	3278	148	9	3739	149	6261	067
934	3426	148	9	3888	148	6112	066
935	3574	148	8	4036	148	5964	065
936	3722	148	8	4184	148	5816	064
937	3870	148	8	4332	148	5668	063
938	4018	147	7	4480	148	5520	062
939	4165	148	7	4628	148	5372	061
0.02940	4313	147	7	4776	148	5224	0.97060
941	4460	148	6	4924	148	5076	059
942	4608	147	6	5072	148	4928	058
943	4755	148	6	5220	148	4780	057
944	4903	147	6	5367	147	4633	056
945	5050	148	5	5515	148	4485	055
946	5198	147	5	5663	148	4337	054
947	5345	147	5	5810	147	4190	053
948	5492	147	4	5958	148	4042	052
949	5639	148	4	6105	147	3895	051
0.02950	8.665787		9.999534	8.666253	148	11.333747	0.97050
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 029.

Arc.	Log. Sin.	Dif.	Log. Cosin.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.02950	8.665787		9.999534	8.666253		11.333747	0.97050
951	5934	147	3	6400	147	3600	049
952	6081	147	3	6548	148	3452	048
953	6228	147	3	6695	147	3305	047
954	6375	147	2	6842	147	3158	046
955	6521	146	2	6989	147	3011	045
956	6668	147	2	7137	148	2863	044
957	6815	147	1	7284	147	2716	043
958	6962	147	1	7431	147	2569	042
959	7109	147	1	7578	147	2422	041
0.02960	7255	146	0	7725	147	2275	0.97040
961	7402	147	9.999530	7872	147	2128	039
962	7548	146	9.999530	8019	147	1982	038
963	7695	147	9	8165	146	1835	037
964	7841	146	9	8312	147	1688	036
965	7988	147	9	8459	147	1541	035
966	8134	146	9	8605	146	1395	034
967	8280	146	8	8752	147	1248	033
968	8426	146	8	8899	147	1101	032
969	8573	147	8	9045	146	0955	031
0.02970	8719	146	7	9192	147	0808	0.97030
971	8865	146	7	9338	146	0662	029
972	9011	146	7	9484	146	0516	028
973	9157	146	6	9631	147	0369	027
974	9303	146	6	9777	146	0223	026
975	9449	146	9.999526	8.669923	146	11.330077	025
976	9595	146	5	8.670069	146	11.329931	024
977	9740	145	5	0215	146	9785	023
978	8.669886	146	5	0362	147	9639	022
979	8.670032	146	4	0508	146	9493	021
0.02980	0178	146	4	0654	146	9347	0.97020
981	0323	145	4	0799	145	9201	019
982	0469	146	3	0945	146	9055	018
983	0614	145	3	1091	146	8909	017
984	0760	146	3	1237	146	8763	016
985	0905	145	2	1383	146	8617	015
986	1050	145	2	1528	145	8472	014
987	1196	146	2	1674	146	8326	013
988	1341	145	2	1820	146	8181	012
989	1486	145	1	1965	145	8035	011
0.02990	1631	145	1	2111	146	7889	0.97010
991	1777	146	1	2256	145	7744	009
992	1922	145	9.999520	2401	145	7599	008
993	2067	145	9.999520	2547	146	7453	007
994	2212	145	20	2692	145	7308	006
995	2357	145	19	2837	145	7163	005
996	2501	144	19	2983	146	7018	004
997	2646	145	19	3128	145	6872	003
998	2791	145	18	3273	145	6727	002
0.02999	2936	145	18	3418	145	6582	001
0.03000	8.673080	144	9.999518	8.673563	145	11.326437	0.97000
Arc.	Log. Cosin.	Dif.	Log. Sin.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 970.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0300	8.673080	1445	9.999518	4	8.673563	1447	11.326437	0.9700
01	4525	1439	14	3	5010	1443	4990	0.9699
02	5964	1435	11	3	6453	1438	3547	98
03	7399	1429	08	3	7891	1433	2109	97
04	8.678828	1426	05	4	8.679324	1428	11.320676	96
05	8.680254	1420	9.999501	3	8.680752	1424	11.319248	95
06	1674	1416	9.999498	3	2176	1419	7824	94
07	3090	1411	95	3	3595	1415	6405	93
08	4501	1407	92	4	5010	1410	4990	92
09	5908	1402	88	3	6420	1405	3580	91
0.0310	7310	1398	85	3	7825	1401	2175	0.9690
11	8.688708	1393	82	4	8.689226	1396	11.310774	89
12	8.690101	1388	78	3	8.690622	1392	11.309378	88
13	1489	1384	75	3	2014	1388	7986	87
14	2873	1380	72	4	3402	1383	6598	86
15	4253	1376	68	3	4785	1379	5215	85
16	5629	1371	65	4	6164	1374	3836	84
17	7000	1366	61	3	7538	1370	2462	83
18	8366	1363	58	3	8.698908	1366	11.301092	82
19	8.699729	1358	55	4	8.700274	1362	11.299726	81
0.0320	8.701087	1354	51	3	1636	1357	8364	0.9680
21	2441	1350	48	4	2993	1353	7007	79
22	3791	1345	44	3	4346	1349	5654	78
23	5136	1341	41	4	5695	1345	4305	77
24	6477	1338	37	3	7040	1341	2960	76
25	7815	1333	9.999434	4	8381	1336	1619	75
26	8.709148	1329	30	3	8.709717	1333	11.290283	74
27	8.710477	1325	27	4	8.711050	1328	11.288950	73
28	1802	1320	23	3	2378	1325	7622	72
29	3122	1317	20	4	3703	1320	6297	71
0.0330	4439	1313	16	3	5023	1317	4977	0.9670
31	5752	1309	13	4	6340	1312	3661	69
32	7061	1305	09	3	7652	1309	2348	68
33	8366	1301	06	4	8.718961	1304	11.281040	67
34	8.719667	1297	9.999402	4	8.720265	1301	11.279735	66
35	8.720964	1294	9.999398	3	1566	1297	8434	65
36	2258	1289	95	4	2863	1293	7137	64
37	3547	1286	91	3	4156	1289	5844	63
38	4833	1281	88	4	5445	1285	4555	62
39	6114	1278	84	4	6730	1282	3270	61
0.0340	7392	1275	80	3	8012	1278	1988	0.9660
41	8667	1270	77	4	8.729290	1274	11.270710	59
42	8.729937	1267	73	4	8.730564	1271	11.269436	58
43	8.731204	1263	69	4	1835	1266	8166	57
44	2467	1259	66	3	3101	1263	6899	56
45	3726	1256	62	4	4364	1260	5636	55
46	4982	1252	58	4	5624	1256	4376	54
47	6234	1249	55	3	6880	1252	3120	53
48	7483	1245	51	4	8132	1249	1868	52
49	8728	1241	47	4	8.739381	1245	11.260619	51
0.0350	8.739969		9.999343	4	8.740626		11.259374	0.9650
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 035.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log Cot.	Arc.
0.0350	8.739969	1238	9.999343	3	8.740626	1241	11.259374	0.9650
51	8.741207	1234	40	4	1867	1238	8133	49
52	2441	1231	36	4	3105	1235	6895	48
53	3672	1227	32	4	4340	1231	5660	47
54	4899	1224	28	4	5571	1228	4429	46
55	6123	1221	24	3	6799	1224	3201	45
56	7344	1216	21	4	8023	1221	1977	44
57	8560	1214	17	4	8.749244	1217	11.250756	43
58	8.749774	1210	13	4	8.750461	1214	11.249539	42
59	8.750984	1207	09	4	1675	1211	8325	41
0.0360	2191	1203	05	4	2886	1207	7114	0.9640
61	3394	1200	9.999301	3	4093	1204	5907	39
62	4594	1197	9.999298	4	5297	1201	4703	38
63	5791	1194	94	4	6498	1197	3503	37
64	6985	1190	90	4	7695	1194	2305	36
65	8175	1187	86	4	8.758889	1191	11.241111	35
66	8.759362	1183	82	4	8.760080	1187	11.239920	34
67	8.760545	1181	78	4	1267	1185	8733	33
68	1726	1177	74	4	2452	1181	7548	32
69	2903	1174	70	4	3633	1178	6367	31
0.0370	4077	1171	66	4	4811	1175	5189	0.9630
71	5248	1168	62	4	5986	1172	4014	29
72	6416	1164	58	4	7158	1168	2843	28
73	7580	1162	54	4	8326	1166	1674	27
74	8742	1158	50	4	8.769492	1162	11.230509	26
75	8.769900	1155	46	4	8.770654	1159	11.229346	25
76	8.771055	1152	42	4	1813	1156	8187	24
77	2207	1150	38	4	2969	1154	7031	23
78	3357	1146	34	4	4123	1150	5878	22
79	4503	1143	30	4	5273	1147	4727	21
0.0380	5646	1140	26	4	6420	1144	3580	0.9620
81	6786	1137	22	4	7564	1141	2436	19
82	7923	1134	18	4	8705	1138	1295	18
83	8.779057	1131	14	4	8.779843	1135	11.220157	17
84	8.780188	1128	10	4	8.780978	1133	11.219022	16
85	1316	1125	05	5	2111	1129	7890	15
86	2441	1122	9.999201	4	3240	1126	6760	14
87	3563	1120	9.999197	4	4366	1124	5634	13
88	4683	1116	93	4	5490	1121	4510	12
89	5799	1114	89	4	6611	1117	3390	11
0.0390	6913	1111	85	5	7728	1115	2272	0.9610
91	8024	1108	80	4	8843	1112	1157	09
92	8.789132	1105	76	4	8.789955	1110	11.210045	08
93	8.790237	1102	72	4	8.791065	1106	11.208935	07
94	1339	1099	68	4	2171	1104	7829	06
95	2438	1097	64	5	3275	1101	6725	05
96	3535	1094	59	4	4376	1098	5624	04
97	4629	1091	55	4	5474	1095	4526	03
98	5720	1088	51	4	6569	1093	3431	02
0.0399	6808	1086	47	4	7662	1090	2338	01
0.0400	8.797894		9.999142	5	8.798752		11.201248	0.9600
Arc.	Log. Cosin	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 960.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0400	8.797894	1083	9.999142	4	8.798752	1087	11.201248	0.9600
01	8.798977	1080	38	4	8.799839	1085	11.200161	0.9599
02	8.800057	1078	34	5	8.800924	1082	11.199076	98
03	1135	1075	29	4	2006	1079	7994	97
04	2210	1072	25	4	3085	1076	6915	96
05	3282	1070	21	5	4161	1074	5839	95
06	4352	1066	16	4	5235	1072	4765	94
07	5418	1065	12	4	6307	1068	3694	93
08	6483	1061	08	5	7375	1066	2625	92
09	7544	1060	9.999103	4	8441	1064	1559	91
0.0410	8604	1056	9.999099	5	8.809505	1061	11.190495	0.9590
11	8.809660	1054	94	4	8.810566	1058	11.189434	89
12	8.810714	1051	90	4	1624	1056	8376	88
13	1765	1049	86	5	2680	1053	7320	87
14	2814	1046	81	4	3733	1051	6267	86
15	3860	1044	77	5	4784	1048	5216	85
16	4904	1041	72	4	5832	1046	4168	84
17	5945	1039	68	5	6878	1043	3122	83
18	6984	1036	63	4	7921	1041	2079	82
19	8020	1034	59	5	8962	1038	1038	81
0.0420	8.819054	1031	54	4	8.820000	1036	11.180000	0.9580
21	8.820085	1029	50	5	8.821036	1033	11.178964	79
22	1114	1027	45	4	2069	1031	7931	78
23	2141	1024	41	5	3100	1029	6900	77
24	3165	1021	36	4	4129	1026	5872	76
25	4186	1019	32	5	5155	1023	4845	75
26	5205	1017	27	5	6178	1022	3822	74
27	6222	1014	22	4	7200	1019	2800	73
28	7236	1012	18	5	8219	1016	1781	72
29	8248	1010	13	4	8.829235	1015	11.170765	71
0.0430	8.829258	1007	09	5	8.830250	1011	11.169751	0.9570
31	8.830265	1005	9.999004	5	1261	1010	8739	69
32	1270	1003	9.998999	4	2271	1007	7729	68
33	2273	1000	95	5	3278	1005	6722	67
34	3273	998	90	5	4283	1003	5717	66
35	4271	996	85	4	5286	1000	4714	65
36	5267	993	81	5	6286	998	3714	64
37	6260	991	76	5	7284	996	2716	63
38	7251	989	71	4	8280	994	1720	62
39	8240	987	67	5	8.839274	991	11.160727	61
0.0440	8.839227	984	62	5	8.840265	989	11.159735	0.9560
41	8.840211	982	57	5	1254	987	8746	59
42	1193	980	52	4	2241	984	7759	58
43	2173	978	48	5	3225	983	6775	57
44	3151	975	43	5	4208	980	5792	56
45	4126	973	38	5	5188	978	4812	55
46	5099	972	33	4	6166	976	3834	54
47	6071	968	29	5	7142	974	2858	53
48	7039	967	24	5	8116	971	1884	52
49	8006	965	19	5	8.849087	970	11.150913	51
0.0450	8.848971		9.998914		8.850057		11.149943	0.9550
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 045.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0450	8.848971	962	9.998914	5	8.850057	967	11.149943	0.9550
51	8.849933	960	09	5	1024	965	8976	49
52	8.850893	959	9.998904	4	1989	963	8011	48
53	1852	956	9.998900	5	2952	961	7048	47
54	2808	954	95	5	3913	959	6087	46
55	3762	951	90	5	4872	956	5128	45
56	4713	950	85	5	5828	955	4172	44
57	5663	948	80	5	6783	953	3217	43
58	6611	945	75	5	7736	950	2265	42
59	7556	944	70	5	8686	949	1314	41
0.0460	8500	941	65	5	8.859635	946	11.140366	0.9540
61	8.859441	940	60	5	8.860581	944	11.139419	39
62	8.860381	937	55	5	1525	943	8475	38
63	1318	935	50	5	2468	940	7533	37
64	2253	934	45	4	3408	938	6592	36
65	3187	931	41	5	4346	936	5654	35
66	4118	929	36	5	5282	935	4718	34
67	5047	928	31	6	6217	932	3783	33
68	5975	925	25	5	7149	930	2851	32
69	6900	923	20	5	8079	929	1921	31
0.0470	7823	922	15	5	9008	926	0992	0.9530
71	8745	919	10	5	8.869934	925	11.130066	29
72	8.869664	917	05	5	8.870859	922	11.129141	28
73	8.870581	916	9.998800	5	1781	921	8219	27
74	1497	914	9.998795	5	2702	919	7298	26
75	2411	911	90	5	3621	916	6380	25
76	3322	910	85	5	4537	915	5463	24
77	4232	908	80	5	5452	913	4548	23
78	5140	906	75	5	6365	911	3635	22
79	6046	904	70	5	7276	909	2724	21
0.0480	6950	902	64	6	8185	908	1815	0.9520
81	7852	900	59	5	9093	905	0908	19
82	8752	898	54	5	8.879998	903	11.120002	18
83	8.879650	897	49	5	8.880901	902	11.119099	17
84	8.880547	894	44	5	1803	900	8197	16
85	1441	893	39	5	2703	898	7297	15
86	2334	891	33	6	3601	896	6399	14
87	3225	889	28	5	4497	895	5503	13
88	4114	888	23	5	5392	892	4609	12
89	5002	885	18	5	6284	891	3716	11
0.0490	5887	884	12	6	7175	889	2825	0.9510
91	6771	882	07	5	8064	887	1936	09
92	7653	880	9.998702	5	8951	885	1049	08
93	8533	878	9.998697	5	8.889836	884	11.110164	07
94	8.889411	876	91	6	8.890720	882	11.109280	06
95	8.890287	875	86	5	1602	880	8399	05
96	1162	873	81	5	2482	878	7518	04
97	2035	871	75	6	3360	876	6640	03
98	2906	870	70	5	4236	875	5764	02
0.0499	3776	867	65	5	5111	873	4889	01
0.0500	8.894643		9.998659	6	8.895984		11.104016	0.9500
Arc.	Log. Cosin.	Dif.	Log. Sin	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 950.

0.050.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0500	8.894643	866	9.998659	5	8.895984	872	11.104016	0.9500
01	5509	864	54	6	6856	869	3145	0.9499
02	6373	863	48	5	7725	868	2275	98
03	7236	861	43	5	8593	866	1407	97
04	8097	859	38	6	8.899459	865	11.100541	96
05	8956	857	32	5	8.900324	862	11.099677	95
06	8.899813	856	27	6	1186	861	8814	94
07	8.900669	854	21	5	2047	860	7953	93
08	1523	852	16	6	2907	858	7093	92
09	2375	850	10	5	3765	856	6236	91
0.0510	3225	849	9.998605	6	4621	854	5380	0.9490
11	4074	848	9.998599	5	5475	853	4525	89
12	4922	845	94	6	6328	851	3672	88
13	5767	844	88	5	7179	849	2821	87
14	6611	842	83	6	8028	848	1972	86
15	7453	841	77	5	8876	846	1124	85
16	8294	839	72	6	8.909722	845	11.090278	84
17	9133	837	66	5	8.910567	843	11.089433	83
18	8.909970	836	61	6	1410	841	8590	82
19	8.910806	834	55	5	2251	840	7749	81
0.0520	1640	833	50	6	3091	838	6909	0.9480
21	2473	831	44	6	3929	836	6071	79
22	3304	829	38	5	4765	835	5235	78
23	4133	828	33	6	5600	834	4400	77
24	4961	826	27	5	6434	831	3567	76
25	5787	824	22	6	7265	831	2735	75
26	6611	823	16	6	8096	828	1905	74
27	7434	822	10	5	8924	827	1076	73
28	8256	820	9.998505	6	8.919751	826	11.080249	72
29	9076	818	9.998499	6	8.920577	824	11.079423	71
0.0530	8.919894	817	93	5	1401	822	8599	0.9470
31	8.920711	815	88	6	2223	821	7777	69
32	1526	814	82	6	3044	820	6956	68
33	2340	812	76	6	3864	817	6137	67
34	3152	810	70	5	4681	817	5319	66
35	3962	809	65	6	5498	815	4502	65
36	4771	808	59	6	6313	813	3687	64
37	5579	806	53	6	7126	812	2874	63
38	6385	805	47	5	7938	810	2062	62
39	7190	803	42	6	8748	809	1252	61
0.0540	7993	801	36	6	8.929557	807	11.070443	0.9460
41	8794	800	30	6	8.930364	806	11.069636	59
42	8.929594	799	24	6	1170	805	8830	58
43	8.930393	797	18	5	1975	803	8025	57
44	1190	796	13	6	2778	801	7222	56
45	1986	794	07	6	3579	800	6421	55
46	2780	793	9.998401	6	4379	799	5621	54
47	3573	791	9.998395	6	5178	797	4822	53
48	4364	790	89	6	5975	796	4025	52
49	5154	788	83	6	6771	794	3229	51
0.0550	8.935942		9.998377	6	8.937565		11.062435	0.9450
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.945.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0550	8.935942	787	9.998377	6	8.937565	793	11.062435	0.9450
51	6729	786	71	6	8358	791	1642	49
52	7515	784	65	6	9149	790	0851	48
53	8299	782	59	5	8.939939	789	11.060061	47
54	9081	782	54	6	8.940728	787	11.059272	46
55	8.939863	779	48	6	1515	786	8485	45
56	8.940642	779	42	6	2301	784	7699	44
57	1421	777	36	6	3085	783	6915	43
58	2198	776	30	6	3868	782	6132	42
59	2974	774	24	6	4650	780	5350	41
0.0560	3748	773	18	6	5430	779	4570	0.9440
61	4521	771	12	6	6209	777	3791	39
62	5292	770	9.998306	6	6986	777	3014	38
63	6062	769	9.998300	6	7763	774	2238	37
64	6831	767	293	7	8537	774	1463	36
65	7598	766	87	6	8.949311	772	11.050689	35
66	8364	765	81	6	8.950083	770	11.049917	34
67	9129	763	75	6	0853	770	9147	33
68	8.949892	762	69	6	1623	768	8377	32
69	8.950654	760	63	6	2391	766	7609	31
0.0570	1414	760	57	6	3157	766	6843	0.9430
71	2174	757	51	6	3923	764	6077	29
72	2931	757	45	6	4687	763	5313	28
73	3688	755	39	7	5450	761	4551	27
74	4443	754	32	6	6211	760	3789	26
75	5197	753	26	6	6971	759	3029	25
76	5950	751	20	6	7730	757	2270	24
77	6701	750	14	6	8487	756	1513	23
78	7451	749	08	7	9243	755	0757	22
79	8200	747	9.998201	6	8.959998	754	11.040002	21
0.0580	8947	746	9.998195	6	8.960752	752	11.039248	0.9420
81	8.959693	745	89	6	1504	751	8496	19
82	8.960438	743	83	6	2255	750	7745	18
83	1181	742	76	7	3005	748	6995	17
84	1923	741	70	6	3753	748	6247	16
85	2664	740	64	6	4501	746	5499	15
86	3404	738	58	6	5247	744	4754	14
87	4142	738	51	7	5991	744	4009	13
88	4880	735	45	6	6735	742	3265	12
89	5615	735	39	6	7477	741	2523	11
0.0590	6350	733	32	7	8218	740	1782	0.9410
91	7083	733	26	6	8958	738	1043	09
92	7816	730	20	6	8.969696	737	11.030304	08
93	8546	730	13	7	8.970433	736	11.029567	07
94	8.969276	728	07	6	1169	735	8831	06
95	8.970004	728	9.998100	7	1904	734	8096	05
96	0732	726	9.998094	6	2638	732	7363	04
97	1458	724	88	6	3370	731	6630	03
98	2182	724	81	7	4101	730	5899	02
0.0599	2906	722	75	6	4831	729	5169	01
0.0600	8.973628	Dif.	9.998068	7	8.975560	Dif.	11.024440	0.9400
Arc.	Log. Cosin.		Log. Sin.	D.	Log. Cot.		Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0600	8.973628	721	9.998068	6	8.975560	727	11.024440	0.9400
01	4349	720	62	7	6287	727	3713	0.9399
02	5069	719	55	6	7014	725	2986	98
03	5788	717	49	7	7739	724	2261	97
04	6505	716	42	6	8463	722	1537	96
05	7221	715	36	7	9185	722	0815	95
06	7936	714	29	6	8.979907	720	11.020093	94
07	8650	713	23	7	8.980627	720	11.019373	93
08	8.979363	712	16	6	1347	718	8653	92
09	8.980075	710	10	7	2065	717	7935	91
0.0610	0785	709	9.998003	6	2782	715	7218	0.9390
11	1494	708	9.997997	7	3497	715	6503	89
12	2202	707	90	6	4212	714	5788	88
13	2909	706	84	7	4926	712	5075	87
14	3615	704	77	7	5638	711	4362	86
15	4319	704	70	7	6349	710	3651	85
16	5023	702	64	6	7059	709	2941	84
17	5725	701	57	7	7768	708	2232	83
18	6426	700	51	6	8476	706	1524	82
19	7126	699	44	7	9182	706	0818	81
0.0620	7825	698	37	7	8.989888	704	11.010112	0.9380
21	8523	696	31	6	8.990592	703	11.009408	79
22	9219	696	24	7	1295	702	8705	78
23	8.989915	694	17	7	1997	701	8003	77
24	8.990609	693	10	7	2698	700	7302	76
25	1302	692	9.997904	6	3398	699	6602	75
26	1994	691	9.997897	7	4097	698	5903	74
27	2685	690	90	7	4795	696	5205	73
28	3375	689	84	6	5491	696	4509	72
29	4064	687	77	7	6187	694	3813	71
0.0630	4751	687	70	7	6881	694	3119	0.9370
31	5438	685	63	7	7575	692	2425	69
32	6123	685	56	7	8267	691	1733	68
33	6808	683	50	6	8958	690	1042	67
34	7491	682	43	7	8.999648	689	11.000352	66
35	8173	681	36	7	9.000337	688	10.999663	65
36	8854	680	29	7	1025	687	8975	64
37	8.999534	679	22	7	1712	686	8288	63
38	9.000213	678	15	7	2398	685	7602	62
39	0891	677	09	6	3083	683	6917	61
0.0640	1568	676	9.997802	7	3766	683	6234	0.9360
41	2244	675	9.997795	7	4449	682	5551	59
42	2919	673	88	7	5131	680	4869	58
43	3592	673	81	7	5811	680	4189	57
44	4265	671	74	7	6491	678	3509	56
45	4936	671	67	7	7169	678	2831	55
46	5607	669	60	7	7847	676	2153	54
47	6276	669	53	7	8523	675	1477	53
48	6945	667	46	7	9198	675	0802	52
49	7612	666	39	7	9.009873	673	10.990127	51
0.0650	9.008278		9.997732	7	9.010546		10.989454	0.9350
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0650	9.008278		9.997732		9.010546		10.989454	0.9350
		666		7		672		
51	8944		25	7	1218		8782	49
52	9.009608	664	18	7	1890	672	8110	48
53	9.010271	663	11	7	2560	670	7440	47
54	0934	663	9.997704	7	3229	669	6771	46
55	1595	661	9.997697	7	3897	668	6103	45
		660		7		668		
56	2255		90	7	4565		5435	44
57	2914	659	83	7	5231	666	4769	43
58	3572	658	76	7	5896	665	4104	42
59	4229	657	69	7	6560	664	3440	41
0.0660	4886	657	62	7	7224	664	2776	0.9340
		655		7		662		
61	5541		55	7	7886		2114	39
62	6195	654	48	7	8547	661	1453	38
63	6848	653	41	8	9208	661	0793	37
64	7500	652	33	7	9.019867	659	10.980133	36
65	8151	651	26	7	9.020525	658	10.979475	35
		651		7		658		
66	8802		19	7	1183		8818	34
67	9.019451	649	12	7	1839	656	8161	33
68	9.020099	648	9.997605	7	2494	655	7506	32
69	0746	647	9.997598	8	3149	655	6851	31
0.0670	1393	647	90	7	3802	653	6198	0.9330
		645		7		653		
71	2038		83	7	4455		5545	29
72	2682	644	76	7	5106	651	4894	28
73	3326	644	69	7	5757	651	4243	27
74	3968	642	62	8	6407	650	3593	26
75	4610	642	54	7	7055	648	2945	25
		640		7		648		
76	5250		47	7	7703		2297	24
77	5890	640	40	8	8350	647	1650	23
78	6528	638	32	7	8996	646	1004	22
79	7166	638	25	7	9.029641	645	10.970359	21
0.0680	7803	637	18	7	9.030285	644	10.969715	0.9320
		635		7		643		
81	8438		11	8	0928		9072	19
82	9073	635	9.997503	7	1570	642	8430	18
83	9.029707	634	9.997496	8	2211	641	7789	17
84	9.030340	633	88	7	2852	641	7148	16
85	0972	632	81	7	3491	639	6509	15
		631		7		639		
86	1603		74	8	4130		5871	14
87	2233	630	66	7	4767	637	5233	13
88	2863	630	59	7	5404	637	4596	12
89	3491	628	52	8	6039	635	3961	11
0.0690	4118	627	44	7	6674	635	3326	0.9310
		627		8		634		
91	4745		37	7	7308		2692	09
92	5370	625	29	8	7941	633	2059	08
93	5995	625	22	7	8573	632	1427	07
94	6619	624	14	8	9205	632	0796	06
95	7242	623	9.997407	7	9.039835	630	10.960165	05
		622		8		629		
96	7864		9.997399	7	9.040464		10.959536	04
97	8485	621	92	8	1093	629	8907	03
98	9105	620	84	7	1721	628	8280	02
0.0699	9.039724	619	77	8	2347	626	7653	01
0.0700	9.040342	618	9.997369		9.042973	626	10.957027	0.9300
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.070.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0700	9.040342	618	9.997369	7	9.042973	625	10.957027	0.9300
01	0960	617	62	8	3598	624	6402	0.9299
02	1577	615	54	7	4222	624	5778	98
03	2192	615	47	8	4846	622	5155	97
04	2807	614	39	7	5468	621	4532	96
05	3421	613	32	8	6089	621	3911	95
06	4034	612	24	8	6710	620	3290	94
07	4646	612	16	7	7330	619	2670	93
08	5258	610	09	8	7949	618	2051	92
09	5868	610	9.997301	7	8567	617	1433	91
0.0710	6478	608	9.997294	8	9184	616	0816	0.9290
11	7086	608	86	8	9.049800	616	10.950200	89
12	7694	607	78	7	9.050416	615	10.949584	88
13	8301	606	71	8	1031	613	8969	87
14	8907	606	63	8	1644	613	8356	86
15	9.049513	604	55	8	2257	613	7743	85
16	9.050117	604	47	7	2870	611	7131	84
17	0721	602	40	8	3481	610	6519	83
18	1323	602	32	8	4091	610	5909	82
19	1925	601	24	7	4701	609	5299	81
0.0720	2526	600	17	8	5310	608	4690	0.9280
21	3126	600	09	8	5918	607	4082	79
22	3726	598	9.997201	8	6525	606	3475	78
23	4324	598	9.997193	8	7131	605	2869	77
24	4922	597	85	7	7736	605	2264	76
25	5519	596	78	8	8341	604	1659	75
26	6115	595	70	8	8945	603	1055	74
27	6710	594	62	8	9.059548	602	10.940452	73
28	7304	594	54	8	9.060150	602	10.939850	72
29	7898	593	46	7	0752	600	9249	71
0.0730	8491	592	39	8	1352	600	8648	0.9270
31	9083	591	31	8	1952	599	8048	69
32	9.059674	590	23	8	2551	598	7449	68
33	9.060264	589	15	8	3149	597	6851	67
34	0853	589	9.997107	8	3746	597	6254	66
35	1442	588	9.997099	8	4343	596	5657	65
36	2030	587	91	8	4939	595	5061	64
37	2617	586	83	8	5534	594	4466	63
38	3203	586	75	8	6128	593	3872	62
39	3789	584	67	8	6721	593	3279	61
0.0740	4373	584	59	8	7314	592	2686	0.9260
41	4957	583	51	8	7906	591	2094	59
42	5540	582	43	8	8497	590	1503	58
43	6122	582	35	8	9087	589	0913	57
44	6704	580	27	8	9.069676	589	10.930324	56
45	7284	580	19	8	9.070265	588	10.929735	55
46	7864	579	11	8	0853	587	9147	54
47	8443	579	9.997003	8	1440	586	8560	53
48	9022	577	9.996995	8	2026	586	7974	52
49	9.069599	577	87	8	2612	585	7388	51
0.0750	9.070176		9.996979	8	9.073197		10.926803	0.9250
Arc.	Log Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.925.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0750	9.070176	576	9.996979	8	9.073197	584	10.926803	0.9250
51	0752	575	71	8	3781	583	6219	49
52	1327	575	63	8	4364	583	5636	48
53	1902	573	55	8	4947	582	5053	47
54	2475	573	47	8	5529	581	4471	46
55	3048	572	39	8	6110	580	3890	45
56	3620	572	31	9	6690	579	3310	44
57	4192	570	22	8	7269	579	2731	43
58	4762	570	14	8	7848	578	2152	42
59	5332	569	9.996906	8	8426	578	1574	41
0.0760	5901	569	9.996898	8	9004	576	0997	0.9240
61	6470	567	90	8	9.079580	576	10.920420	39
62	7037	567	82	9	9.080156	575	10.919844	38
63	7604	566	73	8	0731	574	9269	37
64	8170	566	65	8	1305	574	8695	36
65	8736	564	57	8	1879	573	8121	35
66	9300	564	49	9	2452	572	7548	34
67	9.079864	563	40	8	3024	571	6976	33
68	9.080427	563	32	8	3595	571	6405	32
69	0990	561	24	8	4166	570	5834	31
0.0770	1551	561	16	8	4736	569	5264	0.9230
71	2112	560	9.996807	9	5305	568	4695	29
72	2672	560	9.996799	8	5873	568	4127	28
73	3232	558	91	8	6441	567	3559	27
74	3790	558	82	9	7008	566	2992	26
75	4348	558	74	8	7574	566	2426	25
76	4906	556	66	8	8140	565	1860	24
77	5462	556	57	9	8705	564	1295	23
78	6018	555	49	8	9269	564	0731	22
79	6573	554	41	8	9.089833	562	10.910168	21
0.0780	7127	554	32	9	9.090395	562	10.909605	0.9220
81	7681	553	24	8	0957	562	9043	19
82	8234	552	15	9	1519	560	8481	18
83	8786	552	9.996707	8	2079	560	7921	17
84	9338	550	9.996698	9	2639	560	7361	16
85	9.089888	551	90	8	3199	558	6802	15
86	9.090439	549	82	8	3757	558	6243	14
87	0988	549	73	9	4315	557	5685	13
88	1537	548	65	8	4872	557	5128	12
89	2085	547	56	9	5429	555	4572	11
0.0790	2632	546	48	8	5984	555	4016	0.9210
91	3178	546	39	9	6539	553	3461	09
92	3724	545	31	8	7094	553	2906	08
93	4269	545	22	9	7647	554	2353	07
94	4814	544	13	9	8201	552	1800	06
95	5358	543	9.996605	8	8753	552	1247	05
96	5901	542	9.996596	9	9305	551	0696	04
97	6443	542	88	8	9.099856	550	10.900145	03
98	6985	541	79	9	9.100406	549	10.899594	02
0.0799	7526	540	71	8	0955	549	9045	01
0.0800	9.098066		9.996562	9	9.101504		10.898496	0.9200
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0800	9.098066	540	9.996562	9	9.101504	549	10.898496	0.9200
01	8606	539	53	8	2053	547	7947	0.9199
02	9145	538	45	9	2600	547	7400	98
03	9.099683	538	36	9	3147	547	6853	97
04	9.100221	537	27	8	3694	545	6307	96
05	0758	536	19	9	4239	545	5761	95
06	1294	536	10	9	4784	544	5216	94
07	1830	535	9.996501	8	5328	544	4672	93
08	2365	534	9.996493	9	5872	543	4128	92
09	2899	534	84	9	6415	542	3585	91
0.0810	3433	532	75	9	6957	542	3043	0.9190
11	3965	533	66	8	7499	541	2501	89
12	4498	531	58	9	8040	540	1960	88
13	5029	531	49	9	8580	540	1420	87
14	5560	531	40	9	9120	539	0880	86
15	6091	529	31	8	9.109659	539	10.890341	85
16	6620	529	23	9	9.110198	537	10.889802	84
17	7149	529	14	9	0735	538	9265	83
18	7678	527	9.996405	9	1273	536	8728	82
19	8205	527	9.996396	9	1809	536	8191	81
0.0820	8732	527	87	8	2345	535	7655	0.9180
21	9259	525	79	9	2880	535	7120	79
22	9.109784	525	70	9	3415	534	6585	78
23	9.110309	525	61	9	3949	533	6051	77
24	0834	524	52	9	4482	533	5518	76
25	1358	523	43	9	5015	532	4986	75
26	1881	522	34	9	5547	531	4453	74
27	2403	522	25	9	6078	531	3922	73
28	2925	521	16	9	6609	530	3391	72
29	3446	521	9.996307	9	7139	530	2861	71
0.0830	3967	520	9.996298	8	7669	528	2332	0.9170
31	4487	519	90	9	8197	529	1803	69
32	5006	519	81	9	8726	527	1274	68
33	5525	518	72	9	9253	527	0747	67
34	6043	517	63	9	9.119780	527	10.880220	66
35	6560	517	54	9	9.120307	526	10.879693	65
36	7077	516	45	9	0833	525	9167	64
37	7593	516	36	9	1358	225	8642	63
38	8109	515	27	9	1883	523	8118	62
39	8624	514	18	9	2406	524	7594	61
0.0840	9138	514	9.996208	10	2930	523	7070	0.9160
41	9.119652	513	9.996199	9	3453	522	6547	59
42	9.120165	513	90	9	3975	521	6025	58
43	0678	511	81	9	4496	521	5504	57
44	1189	512	72	9	5017	521	4983	56
45	1701	510	63	9	5538	519	4462	55
46	2211	510	54	9	6057	520	3943	54
47	2721	510	45	9	6577	518	3424	53
48	3231	509	36	9	7095	518	2905	52
49	3740	508	27	9	7613	517	2387	51
0.0850	9.124248		9.996117	10	9.128130		10.871870	0.9150
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.085.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0850	9.124248	507	9.996117	9	9.128130	517	10.871870	0.9150
51	4755	507	9.996108	9	8647	516	1353	49
52	5262	507	9.996099	9	9163	516	0837	48
53	5769	505	90	9	9.129679	515	10.870321	47
54	6274	506	81	10	9.130194	514	10.869806	46
55	6780	504	71	9	0708	514	9292	45
56	7284	504	62	9	1222	513	8778	44
57	7788	504	53	9	1735	513	8265	43
58	8292	502	44	9	2248	512	7752	42
59	8794	503	35	10	2760	511	7240	41
0.0860	9297	501	25	9	3271	511	6729	0.9140
61	9.129798	501	16	9	3782	511	6218	39
62	9.130299	501	9.996007	10	4293	509	5707	38
63	0800	500	9.995997	9	4802	510	5198	37
64	1300	499	88	9	5312	508	4688	36
65	1799	499	79	10	5820	508	4180	35
66	2298	498	69	9	6328	508	3672	34
67	2796	497	60	9	6836	507	3164	33
68	3293	497	51	10	7343	506	2658	32
69	3790	497	41	9	7849	506	2151	31
0.0870	4287	495	32	9	8355	505	1645	0.9130
71	4782	496	23	10	8860	504	1140	29
72	5278	494	13	9	9364	504	0636	28
73	5772	494	9.995904	10	9.139868	504	10.860132	27
74	6266	494	9.995894	9	9.140372	503	10.859628	26
75	9.136760	493	85	10	0875	502	9125	25
76	7253	492	75	9	1377	502	8623	24
77	7745	492	66	9	1879	501	8121	23
78	8237	491	57	10	2380	501	7620	22
79	8728	491	47	9	2881	500	7119	21
0.0880	9219	490	38	10	3381	500	6619	0.9120
81	9.139709	489	28	9	3881	499	6119	19
82	9.140198	489	19	10	4380	498	5620	18
83	0687	489	9.995809	9	4878	498	5122	17
84	1176	487	9.995800	10	5376	498	4624	16
85	1663	488	90	10	5874	496	4127	15
86	2151	486	80	9	6370	497	3630	14
87	2637	487	71	10	6867	495	3133	13
88	3124	485	61	9	7362	496	2638	12
89	3609	485	52	10	7858	494	2143	11
0.0890	4094	485	42	9	8352	494	1648	0.9110
91	4579	484	33	10	8846	494	1154	09
92	5063	483	23	10	9340	493	0660	08
93	5546	483	13	9	9.149833	492	10.850167	07
94	6029	482	9.995704	10	9.150325	492	10.849675	06
95	6511	482	9.995694	10	0817	492	9183	05
96	6993	481	84	9	1309	491	8691	04
97	7474	481	75	10	1800	490	8200	03
98	7955	480	65	10	2290	490	7710	02
0.0899	8435	480	55	10	2780	490	7220	01
0.0900	9.148915		9.995646	9	9.153269	489	10.846731	0.9100
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.910.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0900	9.148915	479	9.995646	10	9.153269	489	10.846731	0.9100
01	9394	478	36	10	3758	488	6242	0.9099
02	9.149872	478	26	10	4246	488	5754	98
03	9.150350	478	16	10	4734	487	5266	97
04	0828	477	9.995607	9	5221	487	4779	96
05	1305	476	9.995597	10	5708	486	4292	95
06	1781	476	87	10	6194	486	3806	94
07	2257	475	77	10	6680	485	3320	93
08	2732	475	68	9	7165	484	2835	92
09	3207	474	58	10	7649	484	2351	91
0.0910	3681	474	48	10	8133	484	1867	0.9090
11	4155	473	38	10	8617	483	1383	89
12	4628	473	28	10	9100	483	0900	88
13	5101	472	18	10	9.159583	482	10.840418	87
14	5573	472	9.995509	9	9.160065	481	10.839936	86
15	6045	471	9.995499	10	0546	481	9454	85
16	6516	470	89	10	1027	480	8973	84
17	6986	470	79	10	1507	480	8493	83
18	7456	470	69	10	1987	480	8013	82
19	7926	469	59	10	2467	479	7533	81
0.0920	8395	469	49	10	2946	478	7054	0.9080
21	8864	468	39	10	3424	478	6576	79
22	9332	467	29	10	3902	478	6098	78
23	9.159799	467	19	10	4380	477	5620	77
24	9.160266	466	9.995409	10	4857	476	5143	76
25	0732	466	9.995399	10	9.165333	476	10.834667	75
26	1198	466	89	10	5809	475	4191	74
27	1664	465	79	10	6284	475	3716	73
28	2129	464	69	10	6759	475	3241	72
29	2593	464	59	10	7234	474	2766	71
0.0930	3057	463	49	10	7708	473	2292	0.9070
31	3520	463	39	10	8181	473	1819	69
32	3983	463	29	10	8654	473	1346	68
33	4446	462	19	10	9127	472	0874	67
34	4908	461	9.995309	10	9.169599	471	10.830402	66
35	5369	461	9.995299	10	9.170070	471	10.829930	65
36	5830	460	89	10	0541	471	9459	64
37	6290	460	79	10	1012	470	8989	63
38	6750	460	69	10	1482	469	8519	62
39	7210	459	59	10	1951	469	8049	61
0.0940	7669	458	49	11	2420	469	7580	0.9060
41	8127	458	38	10	2889	468	7111	59
42	8585	457	28	10	3357	467	6643	58
43	9042	457	18	10	3824	467	6176	57
44	9499	457	9.995208	10	4291	467	5709	56
45	9.169956	456	9.995198	11	4758	466	5242	55
46	9.170412	455	87	10	5224	466	4776	54
47	0867	455	77	10	5690	465	4310	53
48	1322	455	67	10	6155	465	3845	52
49	1777	454	57	10	6620	464	3380	51
0.0950	9.172231		9.995146	11	9.177084		10.822916	0.9050
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Tag. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.0950	9.172231	453	9.995146	10	9.177084	464	10.822916	9.9050
51	2684	453	36	10	7548	463	2452	49
52	3137	453	26	10	8011	463	1989	48
53	3590	452	16	11	8474	462	1526	47
54	4042	451	9.995105	10	8936	462	1064	46
55	4493	451	9.995095	10	9398	462	0602	45
56	4944	451	85	11	9.179860	461	10.820140	44
57	5395	450	74	10	9.180321	460	10.819680	43
58	5845	450	64	10	0781	460	9219	42
59	6295	449	54	11	1241	460	8759	41
0.0960	6744	449	43	10	1701	459	8299	0.9040
61	7193	448	33	10	2160	458	7840	39
62	7641	448	23	11	2618	459	7382	38
63	8089	447	12	10	3077	457	6924	37
64	8536	447	9.995002	11	3534	457	6466	36
65	8983	446	9.994991	10	3991	457	6009	35
66	9429	446	81	10	4448	457	5552	34
67	9.179875	446	71	11	4905	455	5096	33
68	9.180321	444	60	10	5360	456	4640	32
69	0765	445	50	11	5816	455	4184	31
0.0970	1210	444	39	10	6271	454	3729	0.9030
71	1654	444	29	11	6725	454	3275	29
72	2098	443	18	10	7179	454	2821	28
73	2541	442	9.994908	11	7633	453	2367	27
74	2983	442	9.994897	10	8086	453	1914	26
75	9.183425	442	87	11	8539	452	1461	25
76	3867	442	76	10	8991	452	1009	24
77	4308	441	66	11	9443	451	0557	23
78	4749	441	55	11	9.189894	451	10.810106	22
79	5190	441	44	10	9.190345	451	10.809655	21
0.0980	5629	439	34	11	0796	450	9205	0.9020
81	6069	440	23	10	1246	449	8755	19
82	6508	439	13	11	1695	449	8305	18
83	6946	438	9.994802	11	2144	449	7856	17
84	7384	438	9.994791	10	2593	448	7407	16
85	7822	438	81	11	3041	448	6959	15
86	8259	437	70	10	3489	447	6511	14
87	8696	437	60	11	3936	447	6064	13
88	9132	436	49	11	4383	447	5617	12
89	9.189568	436	38	11	4830	446	5170	11
0.0990	9.190003	435	27	10	5276	445	4724	0.9010
91	0438	435	17	11	5721	446	4279	09
92	0873	434	9.994706	11	6167	444	3833	08
93	1307	433	9.994695	10	6611	445	3389	07
94	1740	433	85	11	7056	444	2944	06
95	2173	433	74	11	7500	443	2500	05
96	2606	432	63	11	7942	443	2057	04
97	3038	432	52	10	8386	443	1614	03
98	3470	432	42	11	8829	442	1171	02
0.0999	3902	430	31	11	9271	442	0729	01
0.1000	9.194332		9.994620		9.199713		10.800288	0.9000
Arc.	Log Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1000	9.194332	431	9.994620	11	9.199713	441	10.800288	0.9000
01	4763	430	9.994609	11	9.200154	441	10.799846	0.8999
02	5193	430	9.994598	10	0595	440	9405	98
03	5623	429	88	11	1035	440	8965	97
04	6052	429	77	11	1475	440	8525	96
05	6481	428	66	11	1915	439	8085	95
06	6909	428	55	11	2354	439	7646	94
07	7337	427	44	11	2793	438	7207	93
08	7764	427	33	11	3231	438	6769	92
09	8191	427	22	11	3669	438	6331	91
0.1010	8618	426	11	11	4107	437	5894	0.8990
11	9044	426	9.994500	10	4544	436	5456	89
12	9470	425	9.994490	11	4980	437	5020	88
13	9.199895	425	79	11	5417	435	4584	87
14	9.200320	424	68	11	5852	436	4148	86
15	0744	424	57	11	6288	435	3712	85
16	1168	424	46	11	6723	434	3277	84
17	1592	423	35	11	7157	435	2843	83
18	2015	423	24	11	7592	433	2408	82
19	2438	422	13	11	8025	434	1975	81
0.1020	2860	422	9.994402	11	8459	433	1541	0.8980
21	3282	422	9.994391	11	8892	432	1108	79
22	3704	421	80	11	9324	432	0676	78
23	4125	421	69	12	9.209756	432	10.790244	77
24	4546	420	57	11	9.210188	431	10.789812	76
25	9.204966	420	46	11	0619	431	9381	75
26	5386	419	35	11	1050	431	8950	74
27	5805	419	24	11	1481	430	8519	73
28	6224	419	13	11	1911	430	8089	72
29	6643	418	9.994302	11	2341	429	7659	71
0.1030	7061	418	9.994291	11	2770	429	7230	0.8970
31	7479	417	80	11	3199	428	6801	69
32	7896	417	69	12	3627	428	6373	68
33	8313	416	57	11	4055	428	5945	67
34	8729	416	46	11	4483	427	5517	66
35	9145	416	35	11	4910	427	5090	65
36	9561	415	24	11	5337	427	4663	64
37	9.209976	415	13	12	5764	426	4236	63
38	9.210391	415	9.994201	11	6190	426	3810	62
39	0806	414	9.994190	11	6616	425	3385	61
0.1040	1220	414	79	11	7041	425	2959	0.8960
41	1634	413	68	12	7466	424	2534	59
42	2047	413	56	11	7890	424	2110	58
43	2460	412	45	11	8314	424	1686	57
44	2872	412	34	11	8738	424	1262	56
45	3284	412	23	12	9162	423	0839	55
46	3696	411	11	11	9.219585	422	10.780416	54
47	4107	411	9.994100	11	9.220007	422	10.779993	53
48	4518	410	9.994089	12	0429	422	9571	52
49	4928	410	77	11	0851	421	9149	51
0.1050	9.215338		9.994066		9.221272		10.778728	0.8950
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin..	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1050	9.215338	410	9.994066	11	9.221272	421	10.778728	0.8950
51	5748	409	55	12	1693	421	8307	49
52	6157	409	43	11	2114	420	7886	48
53	6566	409	32	12	2534	420	7466	47
54	6975	408	20	11	2954	420	7046	46
55	7383	407	9.994009	11	3374	419	6626	45
56	7790	408	9.993998	12	3793	419	6207	44
57	8198	407	86	11	4212	418	5789	43
58	8605	406	75	12	4630	418	5370	42
59	9011	406	63	11	5048	417	4952	41
0.1060	9417	406	52	12	5465	418	4535	0.8940
61	9.219823	405	40	11	5883	416	4118	39
62	9.220228	405	29	12	6299	417	3701	38
63	0633	405	17	11	6716	416	3284	37
64	1038	404	9.993906	12	7132	416	2868	36
65	1442	404	9.993894	11	7548	415	2453	35
66	1846	403	83	12	7963	415	2037	34
67	2249	403	71	11	8378	414	1622	33
68	2652	403	60	12	8792	415	1208	32
69	3055	402	48	11	9207	413	0794	31
0.1070	3457	402	37	12	9.229620	414	10.770380	0.8930
71	3859	401	25	11	9.230034	413	10.769966	29
72	4260	401	14	12	0447	413	9553	28
73	4661	401	9.993802	12	0860	412	9141	27
74	5062	401	9.993790	11	1272	412	8728	26
75	9.225463	399	79	12	9.231684	411	10.768316	25
76	5862	400	67	12	2095	412	7905	24
77	6262	399	55	11	2507	411	7493	23
78	6661	399	44	12	2918	410	7083	22
79	7060	399	32	12	3328	410	6672	21
0.1080	7459	398	20	12	3738	410	6262	0.8920
81	7857	397	9.993709	11	4148	409	5852	19
82	8254	398	9.993697	12	4557	409	5443	18
83	8652	397	85	12	4966	409	5034	17
84	9049	396	74	11	5375	408	4625	16
85	9445	396	62	12	5783	408	4217	15
86	9.229841	396	50	12	6191	408	3809	14
87	9.230237	396	38	12	6599	407	3401	13
88	0633	395	27	11	7006	407	2994	12
89	1028	394	15	12	7413	407	2587	11
0.1090	1422	395	9.993603	12	7820	406	2181	0.8910
91	1817	394	9.993591	12	8226	405	1774	09
92	2211	393	79	11	8631	406	1369	08
93	2604	394	68	12	9037	405	0963	07
94	2998	393	56	12	9442	405	0558	06
95	3391	392	44	12	9.239847	404	10.760153	05
96	3783	392	32	12	9.240251	404	10.759749	04
97	4175	392	20	12	0655	404	9345	03
98	4567	391	9.993508	12	1059	403	8941	02
0.1099	4958	391	9.993496	12	1462	403	8538	01
0.1100	9.235349		9.993484		9.241865		10.758135	0.8900
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1100	9.235349	391	9.993484	11	9.241865	403	10.758135	0.8900
01	5740	390	73	12	2268	402	7732	0.8899
02	6130	390	61	12	2670	402	7330	98
03	6520	390	49	12	3072	401	6928	97
04	6910	389	37	12	3473	402	6527	96
05	7299	389	25	12	3875	400	6126	95
06	7688	389	13	12	4275	401	5725	94
07	8077	388	9.993401	12	4676	400	5324	93
08	8465	388	9.993389	12	5076	400	4924	92
09	8853	387	77	12	5476	399	4524	91
0.1110	9240	387	65	12	5875	399	4125	0.8890
11	9.239627	387	53	12	6274	399	3726	89
12	9.240014	386	41	12	6673	399	3327	88
13	0400	386	29	12	7072	398	2928	87
14	0786	386	17	12	7470	398	2530	86
15	1172	385	9.993305	12	7868	397	2133	85
16	1557	385	9.993293	13	8265	397	1735	84
17	1942	385	80	12	8662	397	1338	83
18	2327	384	68	12	9059	396	0941	82
19	2711	384	56	12	9455	396	0545	81
0.1120	3095	384	44	12	9.249851	396	10.750149	0.8880
21	3479	383	32	12	9.250247	395	10.749753	79
22	3862	383	20	12	0642	395	9358	78
23	4245	383	9.993208	12	1037	395	8963	77
24	4628	382	9.993196	13	1432	394	8568	76
25	9.245010	382	83	12	1826	394	8174	75
26	5392	381	71	12	2220	394	7780	74
27	5773	381	59	12	2614	393	7386	73
28	6154	381	47	12	3007	394	6993	72
29	6535	380	35	13	3401	392	6600	71
0.1130	6915	381	22	12	3793	393	6207	0.8870
31	7296	379	9.993110	12	4186	392	5815	69
32	7675	380	9.993098	12	4578	391	5423	68
33	8055	379	86	13	4969	392	5031	67
34	8434	379	73	12	5361	391	4639	66
35	8813	378	61	12	5752	390	4248	65
36	9191	378	49	13	6142	391	3858	64
37	9569	378	36	12	6533	390	3467	63
38	9.249947	377	24	12	6923	390	3077	62
39	9.250324	377	9.993012	13	7313	389	2688	61
0.1140	0701	377	9.992999	12	7702	389	2298	0.8860
41	1078	376	87	12	8091	389	1909	59
42	1454	376	75	13	8480	388	1520	58
43	1830	376	62	12	8868	388	1132	57
44	2206	375	50	12	9256	388	0744	56
45	2581	375	38	13	9.259644	387	10.740356	55
46	2956	375	25	12	9.260031	388	10.739969	54
47	3331	375	13	13	0419	386	9582	53
48	3706	374	9.992900	12	0805	387	9195	52
49	4080	373	9.992888	13	1192	386	8808	51
0.1150	9.254453		9.992875		9.261578		10.738422	0.8850
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1150	9.254453	374	9.992875	12	9.261578	386	10.738422	0.8850
51	4827	373	63	13	1964	385	8036	49
52	5200	372	50	12	2349	385	7651	48
53	5572	373	38	13	2734	385	7266	47
54	5945	372	25	12	3119	385	6881	46
55	6317	371	13	13	3504	384	6496	45
56	6688	372	9.992800	12	3888	384	6112	44
57	7060	371	9.992788	13	4272	384	5728	43
58	7431	371	75	12	4656	383	5344	42
59	7802	370	63	13	5039	383	4961	41
0.1160	8172	370	50	12	5422	383	4578	0.8840
61	8542	370	38	13	5805	382	4196	39
62	8912	369	25	13	6187	382	3813	38
63	9281	369	9.992712	12	6569	382	3431	37
64	9.259650	369	9.992700	13	6951	381	3049	36
65	9.260019	369	9.992687	12	7332	381	2668	35
66	0388	368	75	13	7713	381	2287	34
67	0756	368	62	13	8094	380	1906	33
68	1124	367	49	12	8474	380	1526	32
69	1491	367	37	13	8854	380	1146	31
0.1170	1858	367	24	13	9234	380	0766	0.8830
71	2225	367	9.992611	12	9614	379	0386	29
72	2592	366	9.992599	13	9.269993	379	10.730007	28
73	2958	366	86	13	9.270372	379	10.729628	27
74	3324	365	73	13	0751	378	9250	26
75	9.263689	365	60	12	1129	378	8871	25
76	4054	365	48	13	1507	378	8493	24
77	4419	365	35	13	1885	377	8116	23
78	4784	364	22	13	2262	377	7738	22
79	5148	364	9.992509	12	2639	377	7361	21
0.1180	5512	364	9.992497	13	3016	376	6984	0.8820
81	5876	363	84	13	3392	376	6608	19
82	6239	363	71	13	3768	376	6232	18
83	6602	363	58	13	4144	376	5856	17
84	6965	362	45	12	4520	375	5480	16
85	7327	363	33	13	4895	375	5105	15
86	7690	361	20	13	5270	375	4730	14
87	8051	362	9.992407	13	5645	374	4355	13
88	8413	361	9.992394	13	6019	374	3981	12
89	8774	361	81	13	6393	374	3607	11
0.1190	9135	360	68	13	6767	373	3233	0.8810
91	9495	361	55	13	7140	373	2860	09
92	9.269856	360	42	13	7513	373	2487	08
93	9.270216	359	29	13	7886	373	2114	07
94	0575	359	16	13	8259	372	1741	06
95	0934	359	9.992303	12	8631	372	1369	05
96	1293	359	9.992291	13	9003	372	0997	04
97	1652	358	78	13	9375	371	0625	03
98	2010	359	65	13	9.279746	371	10.720254	02
0.1199	2369	357	52	13	9.280117	371	10.719883	01
0.1200	9.272726		9.992239	13	9.280488		10.719512	0.8800
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1200	9.272726	358	9.992239	13	9.280488	370	10.719512	0.8800
01	3084	357	226	13	0858	370	9142	0.8799
02	3441	357	213	14	1228	370	8772	98
03	3798	356	199	13	1598	370	8402	97
04	4154	357	186	13	1968	369	8032	96
05	4511	356	173	13	2337	369	7663	95
06	4867	355	160	13	2706	369	7294	94
07	5222	356	147	13	3075	368	6925	93
08	5578	355	134	13	3443	369	6557	92
09	5933	354	121	13	3812	367	6188	91
0.1210	6287	355	108	13	4179	368	5821	0.8790
11	6642	354	095	13	4547	367	5453	89
12	6996	354	082	14	4914	367	5086	88
13	7350	353	068	13	5281	367	4719	87
14	7703	354	055	13	5648	366	4352	86
15	8057	352	042	13	6014	367	3986	85
16	8409	353	029	13	6381	365	3620	84
17	8762	352	016	13	6746	366	3254	83
18	9114	353	9.992003	14	7112	365	2888	82
19	9467	351	9.991989	13	7477	365	2523	81
0.1220	9.279818	352	976	13	7842	365	2158	0.8780
21	9.280170	351	963	13	8207	364	1793	79
22	0521	351	950	14	8571	365	1429	78
23	0872	350	936	13	8936	363	1065	77
24	1222	351	923	13	9299	364	0701	76
25	1573	350	9.991910	14	9.289663	363	10.710337	75
26	1923	349	896	13	9.290026	363	10.709974	74
27	2272	350	883	13	0389	363	9611	73
28	2622	349	870	14	0752	362	9248	72
29	2971	349	856	13	1114	363	8886	71
0.1230	3320	348	843	13	1477	361	8524	0.8770
31	3668	348	830	14	1838	362	8162	69
32	4016	348	816	13	2200	361	7800	68
33	4364	348	803	13	2561	361	7439	67
34	4712	347	790	14	2922	361	7078	66
35	5059	348	776	13	3283	361	6717	65
36	5407	346	763	14	3644	360	6356	64
37	5753	347	749	13	4004	360	5996	63
38	6100	346	736	13	4364	360	5636	62
39	6446	346	723	14	4724	359	5277	61
0.1240	6792	346	709	13	5083	359	4917	0.8760
41	7138	345	696	14	5442	359	4558	59
42	7483	345	682	13	5801	358	4199	58
43	7828	345	669	14	6159	359	3841	57
44	8173	344	655	13	6518	358	3482	56
45	8517	345	642	14	6876	358	3124	55
46	8862	344	628	13	7234	357	2767	54
47	9206	343	615	14	7591	357	2409	53
48	9549	344	601	13	7948	357	2052	52
49	9.289893	343	588	14	8305	357	1695	51
0.1250	9.290236		9.991574		9.298662		10.701338	0.8750
Arc.	Log Cosin.	Dif.	Log. Sin.	D.	Log. Cot	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1250	9.290236	343	9.991574	14	9.298662	356	10.701338	0.8750
51	0579	342	560	13	9018	356	0982	49
52	0921	342	547	14	9374	356	0626	48
53	1263	342	533	13	9.299730	356	10.700270	47
54	1605	342	520	14	9.300086	355	10.699914	46
55	1947	341	506	14	0441	355	9559	45
56	2288	342	492	13	0796	355	9204	44
57	2630	340	479	14	1151	354	8849	43
58	2970	341	465	14	1505	355	8495	42
59	3311	340	451	13	1860	354	8140	41
0.1260	3651	340	438	14	2214	353	7786	0.8740
61	3991	340	424	14	2567	354	7433	39
62	4331	340	410	13	2921	353	7079	38
63	4671	339	397	14	3274	353	6726	37
64	5010	339	383	14	3627	353	6373	36
65	5349	338	369	14	3980	352	6021	35
66	5687	339	355	13	4332	352	5668	34
67	6026	338	342	14	4684	352	5316	33
68	6364	338	328	14	5036	352	4964	32
69	6702	337	314	14	5388	352	4613	31
0.1270	7039	338	300	14	5739	351	4261	0.8730
71	7377	337	287	13	6090	351	3910	29
72	7714	336	273	14	6441	351	3559	28
73	8050	337	259	14	6791	350	3209	27
74	8387	336	245	14	7142	351	2858	26
75	9.298723	336	9.991231	14	9.307492	350	10.692508	25
76	9059	335	217	13	7841	349	2159	24
77	9394	336	204	14	8191	350	1809	23
78	9.299730	335	190	14	8540	349	1460	22
79	9.300065	335	176	14	8889	349	1111	21
0.1280	0400	334	162	14	9238	349	0762	0.8720
81	0734	335	148	14	9586	348	0414	19
82	1069	334	134	14	9.309935	349	10.690065	18
83	1403	334	120	14	9.310283	348	10.689717	17
84	1737	333	106	14	0630	347	9370	16
85	2070	333	092	14	0978	348	9022	15
86	2403	333	078	14	1325	347	8675	14
87	2736	333	064	14	1672	347	8328	13
88	3069	332	050	14	2019	347	7981	12
89	3401	333	036	14	2365	346	7635	11
0.1290	3734	331	022	14	2711	346	7289	0.8710
91	4065	332	9.991008	14	3057	346	6943	09
92	4397	331	9.990994	14	3403	345	6597	08
93	4728	332	980	14	3748	346	6252	07
94	5060	330	966	14	4094	344	5907	06
95	5390	331	952	14	4438	345	5562	05
96	5721	330	938	14	4783	345	5217	04
97	6051	330	924	14	5128	344	4873	03
98	6381	330	910	14	5472	344	4528	02
0.1299	6711	330	896	14	5816	343	4184	01
0.1300	9.307041		9.990882		9.316159		10.683841	0.8700
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1300	9.307041	329	9.990882	15	9.316159	344	10.683841	0.8700
01	7370	329	867	14	6503	343	3497	0.8699
02	7699	329	853	14	6846	343	3154	98
03	8028	328	839	14	7189	342	2811	97
04	8356	329	825	14	7531	343	2469	96
05	8685	328	811	14	7874	342	2126	95
06	9013	327	797	15	8216	342	1784	94
07	9340	328	782	14	8558	342	1442	93
08	9668	327	768	14	8900	341	1100	92
09	9.309995	327	754	14	9241	341	0759	91
0.1310	9.310322	327	740	15	9582	341	0418	0.8690
11	0649	326	725	14	9.319923	341	10.680077	89
12	0975	326	711	14	9.320264	340	10.679736	88
13	1301	326	697	14	0604	341	9396	87
14	1627	326	683	15	0945	340	9055	86
15	1953	325	668	14	1285	339	8716	85
16	2278	326	654	14	1624	340	8376	84
17	2604	324	640	15	1964	339	8036	83
18	2928	325	625	14	2303	339	7697	82
19	3253	325	611	14	2642	339	7358	81
0.1320	3578	324	597	15	2981	338	7019	0.8680
21	3902	324	582	14	3319	339	6681	79
22	4226	323	568	14	3658	338	6343	78
23	4549	324	554	15	3996	337	6004	77
24	4873	323	539	14	4333	338	5667	76
25	9.315196	323	9.990525	15	9.324671	337	10.675329	75
26	5519	322	510	14	5008	337	4992	74
27	5841	323	496	14	5345	337	4655	73
28	6164	322	482	15	5682	337	4318	72
29	6486	322	467	14	6019	336	3981	71
0.1330	6808	321	453	15	6355	336	3645	0.8670
31	7129	322	438	14	6691	336	3309	69
32	7451	321	424	15	7027	336	2973	68
33	7772	321	409	14	7363	335	2637	67
34	8093	321	395	15	7698	335	2302	66
35	8414	320	380	14	8033	335	1967	65
36	8734	320	366	15	8368	335	1632	64
37	9054	320	351	14	8703	334	1297	63
38	9374	320	337	15	9037	335	0963	62
39	9.319694	319	322	14	9372	334	0628	61
0.1340	9.320013	319	308	15	9.329706	333	10.670294	0.8660
41	0332	319	293	15	9.330039	334	10.669961	59
42	0651	319	278	14	0373	333	9627	58
43	0970	318	264	15	0706	333	9294	57
44	1288	319	249	14	1039	333	8961	56
45	1607	317	235	15	1372	333	8628	55
46	1924	318	220	15	1705	332	8295	54
47	2242	318	205	14	2037	332	7963	53
48	2560	317	191	15	2369	332	7631	52
49	2877	317	176	15	2701	332	7299	51
0.1350	9.323194		9.990161		9.333033		10.666967	0.8650
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1350	9.323194	317	9.990161	14	9.333033	331	10.666967	0.8650
51	3511	316	147	15	3364	331	6636	49
52	3827	316	132	15	3695	331	6305	48
53	4143	316	117	15	4026	331	5974	47
54	4459	316	102	14	4357	331	5643	46
55	4775	316	088	15	4688	330	5313	45
56	5091	315	073	15	5018	330	4982	44
57	5406	315	058	15	5348	330	4652	43
58	5721	315	043	14	5678	329	4322	42
59	6036	314	029	15	6007	330	3993	41
0.1360	6350	315	9.990014	15	6337	329	3663	0.8640
61	6665	314	9.989999	15	6666	329	3334	39
62	6979	314	984	15	6995	329	3005	38
63	7293	313	969	15	7324	328	2677	37
64	7606	314	954	14	7652	328	2348	36
65	7920	313	940	15	7980	328	2020	35
66	8233	313	925	15	8308	328	1692	34
67	8546	313	910	15	8636	328	1364	33
68	8859	312	895	15	8964	327	1037	32
69	9171	312	880	15	9291	327	0709	31
0.1370	9483	312	865	15	9618	327	0382	0.8630
71	9.329795	312	850	15	9.339945	327	10.660055	29
72	9.330107	311	835	15	9.340272	326	10.659728	28
73	0418	312	820	15	0598	326	9402	27
74	0730	311	805	14	0924	326	9076	26
75	1041	311	9.989791	15	1250	326	8750	25
76	1352	310	776	15	1576	326	8424	24
77	1662	310	761	15	1902	325	8098	23
78	1972	311	746	15	2227	325	7773	22
79	2283	309	731	15	2552	325	7448	21
0.1380	2592	310	716	15	2877	325	7123	0.8620
81	2902	310	701	16	3202	324	6798	19
82	3212	309	685	15	3526	324	6474	18
83	3521	309	670	15	3850	324	6150	17
84	3830	308	655	15	4174	324	5826	16
85	4138	309	640	15	4498	324	5502	15
86	4447	308	625	15	4822	323	5178	14
87	4755	308	610	15	5145	323	4855	13
88	5063	308	595	15	5468	323	4532	12
89	5371	308	580	15	5791	323	4209	11
0.1390	5679	307	565	15	6114	323	3886	0.8610
91	5986	307	550	16	6436	322	3564	09
92	6293	307	534	15	6759	323	3241	08
93	6600	307	519	15	7081	322	2919	07
94	6907	306	504	15	7403	322	2598	06
95	7213	306	489	15	7724	321	2276	05
96	7519	306	474	15	8046	322	1955	04
97	7825	306	459	16	8367	321	1633	03
98	8131	306	443	15	8688	321	1312	02
0.1399	8437	305	428	15	9008	320	0992	01
0.1400	9.338742		9.989413		9.349329	321	10.650671	0.8600
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1400	9.338742	305	9.989413	15	9.349329	320	10.650671	0.8600
01	9047	305	398	16	9649	320	0351	0.8599
02	9352	304	382	15	9.349969	320	10.650031	98
03	9656	305	367	15	9.350289	320	10.649711	97
04	9.339961	304	352	16	0609	320	9391	96
05	9.340265	304	336	15	0929	319	9072	95
06	0569	304	321	15	1248	319	8752	94
07	0873	303	306	16	1567	319	8433	93
08	1176	303	290	15	1886	318	8114	92
09	1479	304	275	15	2204	319	7796	91
0.1410	1783	302	260	16	2523	318	7477	0.8590
11	2085	303	244	15	2841	318	7159	89
12	2388	302	229	15	3159	318	6841	88
13	2690	303	214	16	3477	317	6523	87
14	2993	302	198	15	3794	318	6206	86
15	3295	301	183	16	4112	317	5888	85
16	3596	302	167	15	4429	317	5571	84
17	3898	301	152	15	4746	317	5254	83
18	4199	301	137	16	5063	316	4937	82
19	4500	301	121	15	5379	317	4621	81
0.1420	4801	301	106	16	5696	316	4305	0.8580
21	5102	300	090	15	6012	316	3988	79
22	5402	300	075	16	6328	315	3673	78
23	5702	300	059	15	6643	316	3357	77
24	6002	300	044	16	6959	315	3041	76
25	9.346302	300	028	15	9.357274	315	10.642726	75
26	6602	299	9.989013	16	7589	315	2411	74
27	6901	299	9.988997	16	7904	315	2096	73
28	7200	299	981	15	8219	314	1781	72
29	7499	299	966	16	8533	314	1467	71
0.1430	7798	298	950	15	8847	314	1153	0.8570
31	8096	298	935	16	9161	314	0839	69
32	8394	298	919	16	9475	314	0525	68
33	8692	298	903	15	9.359789	313	10.640211	67
34	8990	298	888	16	9.360102	314	10.639898	66
35	9288	297	872	15	0416	313	9584	65
36	9585	297	857	16	0729	313	9271	64
37	9.349882	297	841	16	1042	312	8959	63
38	9.350179	297	825	15	1354	313	8646	62
39	0476	297	810	16	1667	312	8333	61
0.1440	0773	296	794	16	1979	312	8021	0.8560
41	1069	296	778	16	2291	312	7709	59
42	1365	296	762	15	2603	311	7397	58
43	1661	296	747	16	2914	312	7086	57
44	1957	295	731	16	3226	311	6774	56
45	2252	295	715	16	3537	311	6463	55
46	2547	296	699	15	3848	311	6152	54
47	2843	294	684	16	4159	311	5841	53
48	3137	295	668	16	4470	310	5531	52
49	3432	294	652	16	4780	310	5220	51
0.1450	9.353726		9.988636		9.365090		10.634910	0.8550
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1450	9.353726		9.988636		9.365090		10.634910	0.8550
51	4021	295	620	16	5400	310	4600	49
52	4315	294	605	15	5710	310	4290	48
53	4608	293	589	16	6020	310	3980	47
54	4902	294	573	16	6329	309	3671	46
55	5195	293	557	16	6638	309	3362	45
56	5489	294	541	16	6947	309	3053	44
57	5782	293	525	16	7256	309	2744	43
58	6074	292	509	16	7565	309	2435	42
59	6367	293	494	15	7873	308	2127	41
0.1460	6659	292	478	16	8182	309	1819	0.8540
61	6951	292	462	16	8490	308	1510	39
62	7243	292	446	16	8797	307	1203	38
63	7535	291	430	16	9105	308	0895	37
64	7826	292	414	16	9413	308	0587	36
65	8118	292	398	16	9.369720	307	10.630280	35
66	8409	291	382	16	9.370027	307	10.629973	34
67	8700	291	366	16	0334	307	9666	33
68	8990	290	350	16	0641	307	9360	32
69	9281	291	334	16	0947	306	9053	31
0.1470	9571	290	318	16	1253	306	8747	0.8530
71	9.359861	290	302	16	1559	306	8441	29
72	9.360151	290	286	16	1865	306	8135	28
73	0441	290	270	16	2171	306	7829	27
74	0730	289	254	16	2477	306	7523	26
75	1019	289	9.988237	17	9.372782	305	10.627218	25
76	1308	289	221	16	3087	305	6913	24
77	1597	289	205	16	3392	305	6608	23
78	1886	289	189	16	3697	305	6303	22
79	2174	288	173	16	4001	304	5999	21
0.1480	2463	289	157	16	4306	305	5694	0.8520
81	2751	288	141	16	4610	304	5390	19
82	3038	287	125	16	4914	304	5086	18
83	3326	288	108	17	5218	304	4782	17
84	3614	288	092	16	5521	303	4479	16
85	3901	287	076	16	5825	304	4175	15
86	4188	287	060	16	6128	303	3872	14
87	4475	287	044	16	6431	303	3569	13
88	4761	286	027	17	6734	303	3266	12
89	5048	287	9.988011	16	7037	303	2963	11
0.1490	5334	286	9.987995	16	7339	302	2661	0.8510
91	5620	286	979	16	7641	302	2359	09
92	5906	286	962	17	7944	303	2057	08
93	6191	285	946	16	8246	302	1755	07
94	6477	286	930	16	8547	301	1453	06
95	6762	285	913	17	8849	302	1151	05
96	7047	285	897	16	9150	301	0850	04
97	7332	285	881	16	9451	301	0549	03
98	7617	284	864	17	9.379752	301	10.620248	02
0.1499	7901	284	848	16	9.380053	301	10.619947	01
0.1500	9.368185		9.987832	16	9.380354		10.619646	0.8500
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1500	9.368185		9.987832		9.380354		10.619646	0.8500
		284		17		300		
01	8469		815		0654		9346	0.8499
02	8753	284	799	16	0954	300	9046	98
03	9037	284	782	17	1255	301	8746	97
04	9320	283	766	16	1554	299	8446	96
05	9604	284	750	16	1854	300	8146	95
		283		17		300		
06	9.369887	283	733	16	2154	299	7846	94
07	9.370170	282	717	17	2453	299	7547	93
08	0452	283	700	16	2752	299	7248	92
09	0735	282	684	17	3051	299	6949	91
0.1510	1017	282	667	16	3350	298	6650	0.8490
11	1299	282	651	17	3648	299	6352	89
12	1581	282	634	16	3947	298	6053	88
13	1863	281	618	17	4245	298	5755	87
14	2144	282	601	16	4543	298	5457	86
15	2426	281	585	17	4841	298	5159	85
16	2707	281	568	16	5139	297	4861	84
17	2988	280	552	17	5436	298	4564	83
18	3268	281	535	17	5734	297	4267	82
19	3549	280	518	16	6031	297	3969	81
0.1520	3829	281	502	17	6328	297	3672	0.8480
21	4110	280	485	16	6624	296	3376	79
22	4390	279	469	17	6921	297	3079	78
23	4669	280	452	17	7217	296	2783	77
24	4949	279	435	16	7514	297	2486	76
25	9.375228	280	9.987419	17	9.387810	296	10.612190	75
26	5508	279	402	17	8106	296	1894	74
27	5787	278	385	16	8401	295	1599	73
28	6065	279	369	17	8697	296	1303	72
29	6344	279	352	17	8992	295	1008	71
0.1530	6623	278	335	17	9287	295	0713	0.8470
31	6901	278	318	16	9582	295	0418	69
32	7179	278	302	17	9.389877	295	10.610123	68
33	7457	277	285	17	9.390172	294	10.609828	67
34	7734	278	268	17	0466	295	9534	66
35	8012	277	251	17	0761	294	9239	65
36	8289	277	235	16	1055	294	8945	64
37	8566	277	218	17	1349	293	8651	63
38	8843	277	201	17	1642	294	8358	62
39	9120	277	184	17	1936	293	8064	61
0.1540	9397	276	167	17	2229	294	7771	0.8460
41	9673	276	151	16	2523	293	7477	59
42	9.379949	276	134	17	2816	293	7184	58
43	9.380225	276	117	17	3109	292	6891	57
44	0501	276	100	17	3401	293	6599	56
45	0777	275	083	17	3694	292	6306	55
46	1052	276	066	17	3986	292	6014	54
47	1328	275	049	17	4278	292	5722	53
48	1603	275	032	17	4570	292	5430	52
49	1878	274	9.987015	17	4862	292	5138	51
0.1550	9.382152		9.986998		9.395154		10.604846	0.8450
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1550	9.382152	275	9.986998	16	9.395154	291	10.604846	0.8450
51	2427	274	982	17	5445	292	4555	49
52	2701	274	965	17	5737	291	4263	48
53	2975	274	948	17	6028	291	3972	47
54	3249	274	931	17	6319	291	3681	46
55	3523	274	914	17	6610	290	3390	45
56	3797	273	897	17	6900	291	3100	44
57	4070	274	880	17	7191	290	2809	43
58	4344	273	863	17	7481	290	2519	42
59	4617	272	846	17	7771	290	2229	41
0.1560	4889	273	828	18	8061	290	1939	0.8440
61	5162	273	811	17	8351	289	1649	39
62	5435	272	794	17	8640	290	1360	38
63	5707	272	777	17	8930	289	1070	37
64	5979	272	760	17	9219	289	0781	36
65	6251	272	743	17	9508	289	0492	35
66	6523	272	726	17	9.399797	289	10.600203	34
67	6795	271	709	17	9.400086	288	10.599914	33
68	7066	271	692	18	0374	289	9626	32
69	7337	271	674	17	0663	288	9337	31
0.1570	7608	271	657	17	0951	288	9049	0.8430
71	7879	271	640	17	1239	288	8761	29
72	8150	271	623	17	1527	288	8473	28
73	8421	270	606	17	1815	287	8185	27
74	8691	270	589	18	2102	288	7898	26
75	8961	270	9.986571	17	9.402390	287	10.597610	25
76	9231	270	554	17	2677	287	7323	24
77	9501	270	537	17	2964	287	7036	23
78	9.389771	269	520	18	3251	287	6749	22
79	9.390040	269	502	17	3538	286	6462	21
0.1580	0309	269	485	17	3824	287	6176	0.8420
81	0578	269	468	18	4111	286	5889	19
82	0847	269	450	17	4397	286	5603	18
83	1116	269	433	17	4683	286	5317	17
84	1385	268	416	18	4969	286	5031	16
85	1653	268	398	17	5255	285	4745	15
86	1921	268	381	17	5540	286	4460	14
87	2189	268	364	18	5826	285	4174	13
88	2457	268	346	17	6111	285	3889	12
89	2725	268	329	17	6396	285	3604	11
0.1590	2993	267	312	18	6681	285	3319	0.8410
91	3260	267	294	17	6966	284	3034	09
92	3527	267	277	18	7250	285	2750	08
93	3794	267	259	17	7535	284	2465	07
94	4061	267	242	18	7819	284	2181	06
95	4328	266	224	17	8103	284	1897	05
96	4594	266	207	18	8387	284	1613	04
97	4860	266	189	17	8671	284	1329	03
98	5126	266	172	18	8955	283	1046	02
0.1599	5392	266	154	17	9238	283	0762	01
0.1600	9.395658	Dif.	9.986137	D.	9.409521	Dif.	10.590479	0.8400
Arc.	Log. Cosin.		Log. Sin.		Log. Cot.		Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1600	9.396658	266	9.986137	18	9.409521	283	10.590479	0.8400
01	5924	265	119	17	9.409804	283	10.590196	0.8399
02	6189	265	102	18	9.410087	283	10.589913	98
03	6454	266	084	17	0370	283	9630	97
04	6720	264	067	18	0653	282	9347	96
05	6984	265	049	17	0935	283	9065	95
06	7249	265	032	18	1218	282	8782	94
07	7514	264	9.986014	18	1500	282	8500	93
08	7778	264	9.985996	17	1782	282	8218	92
09	8042	264	979	18	2064	281	7936	91
0.1610	8306	264	961	17	2345	282	7655	0.8390
11	8570	264	944	18	2627	281	7373	89
12	8834	264	926	18	2908	281	7092	88
13	9098	263	908	17	3189	281	6811	87
14	9361	263	891	18	3470	281	6530	86
15	9624	263	873	18	3751	281	6249	85
16	9.399887	263	855	17	4032	281	5968	84
17	9.400150	263	838	18	4313	280	5687	83
18	0413	262	820	18	4593	280	5407	82
19	0675	263	802	18	4873	280	5127	81
0.1620	0938	262	784	17	5153	280	4847	0.8380
21	1200	262	767	18	5433	280	4567	79
22	1462	262	749	18	5713	280	4287	78
23	1724	261	731	18	5993	279	4007	77
24	1985	262	713	17	6272	279	3728	76
25	9.402247	261	9.985696	18	9.416551	280	10.583449	75
26	2508	261	678	18	6831	279	3169	74
27	2769	261	660	18	7110	278	2890	73
28	3030	261	642	18	7388	279	2612	72
29	3291	261	624	18	7667	279	2333	71
0.1630	3552	260	606	18	7946	278	2054	0.8370
31	3812	261	588	17	8224	278	1776	69
32	4073	260	571	18	8502	278	1498	68
33	4333	260	553	18	8780	278	1220	67
34	4593	260	535	18	9058	278	0942	66
35	4853	260	517	18	9336	278	0664	65
36	5113	259	499	18	9614	277	0387	64
37	5372	259	481	18	9.419891	277	10.580109	63
38	5631	260	463	18	9.420168	277	10.579832	62
39	5891	259	445	18	0445	277	9555	61
0.1640	6150	258	427	18	0722	277	9278	0.8360
41	6408	259	409	18	0999	277	9001	59
42	6667	259	391	18	1276	276	8724	58
43	6926	258	373	18	1552	277	8448	57
44	7184	258	355	18	1829	276	8171	56
45	7442	258	337	18	2105	276	7895	55
46	7700	258	319	18	2381	276	7619	54
47	7958	258	301	18	2657	276	7343	53
48	8216	257	283	18	2933	275	7067	52
49	8473	258	265	18	3208	276	6792	51
0.1650	9.408731		9.985247		9.423484		10.576516	0.8350
Arc.	Log. Cosin.	Dif.	Log. Sin..	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1650	9.408731	257	9.985247	18	9.423484	275	10.576516	0.8350
51	8988	257	229	18	3759	275	6241	49
52	9245	257	211	18	4034	275	5966	48
53	9502	256	193	19	4309	275	5691	47
54	9.409758	257	174	18	4584	275	5416	46
55	9.410015	256	156	18	4859	274	5141	45
56	0271	257	138	18	5133	275	4867	44
57	0528	256	120	18	5408	274	4592	43
58	0784	256	102	18	5682	274	4318	42
59	1040	255	084	19	5956	274	4044	41
0.1660	1295	256	065	18	6230	274	3770	0.8340
61	1551	255	047	18	6504	273	3496	39
62	1806	256	029	18	6777	274	3223	38
63	2062	255	9.985011	18	7051	273	2949	37
64	2317	255	9.984993	19	7324	274	2676	36
65	2572	255	974	18	7598	273	2403	35
66	2827	254	956	18	7871	272	2130	34
67	3081	255	938	19	8143	273	1857	33
68	3336	254	919	18	8416	273	1584	32
69	3590	254	901	18	8689	272	1311	31
0.1670	3844	254	883	18	8961	273	1039	0.8330
71	4098	254	865	19	9234	272	0767	29
72	4352	254	846	18	9506	272	0494	28
73	4606	253	828	19	9.429778	272	10.570222	27
74	4859	253	809	18	9.430050	271	10.569950	26
75	9.415112	254	9.984791	18	0321	272	9679	25
76	5366	253	773	19	0593	271	9407	24
77	5619	252	754	18	0864	272	9136	23
78	5871	253	736	18	1136	271	8865	22
79	6124	253	718	19	1407	271	8593	21
0.1680	6377	252	699	18	1678	271	8322	0.8320
81	6629	252	681	19	1949	270	8052	19
82	6881	252	662	18	2219	271	7781	18
83	7133	252	644	19	2490	270	7510	17
84	7385	252	625	18	2760	270	7240	16
85	7637	252	607	19	3030	271	6970	15
86	7889	251	588	18	3301	270	6700	14
87	8140	252	570	19	3571	269	6430	13
88	8392	251	551	18	3840	270	6160	12
89	8643	251	533	19	4110	270	5890	11
0.1690	8894	251	514	18	4380	269	5621	0.8310
91	9145	250	496	19	4649	269	5351	09
92	9395	251	477	19	4918	269	5082	08
93	9646	250	458	18	5187	269	4813	07
94	9.419896	250	440	19	5456	269	4544	06
95	9.420146	250	421	18	5725	269	4275	05
96	0396	250	403	19	5994	268	4006	04
97	0646	250	384	19	6262	269	3738	03
98	0896	250	365	18	6531	268	3469	02
0.1699	1146	249	347	19	6799	268	3201	01
0.1700	9.421395		9.984328		9.437067		10.562933	0.8300
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1700	9.421395		9.984328		9.437067		10.562933	0.8300
		249		19		268		
01	1644	250	309	18	7335	268	2665	0.8299
02	1894	248	291	19	7603	267	2397	98
03	2142	249	272	19	7870	268	2130	97
04	2391	249	253	18	8138	267	1862	96
05	2640	249	235	19	8405	268	1595	95
06	2889	248	216	19	8673	267	1327	94
07	3137	248	197	19	8940	267	1060	93
08	3385	248	178	18	9207	267	0793	92
09	3633	248	160	19	9474	266	0527	91
0.1710	3881	248	141	19	9.439740	267	10.560260	0.8290
11	4129	247	122	19	9.440007	266	10.559993	89
12	4376	248	103	18	0273	266	9727	88
13	4624	247	085	19	0539	267	9461	87
14	4871	247	066	19	0806	266	9195	86
15	5118	247	047	19	1072	265	8929	85
16	5365	247	028	19	1337	266	8663	84
17	5612	247	9.984009	19	1603	266	8397	83
18	5859	246	9.983990	19	1869	265	8131	82
19	6105	247	971	18	2134	265	7866	81
0.1720	6352	246	953	19	2399	265	7601	0.8280
21	6598	246	934	19	2664	265	7336	79
22	6844	246	915	19	2929	265	7071	78
23	7090	246	896	19	3194	265	6806	77
24	7336	246	877	19	3459	265	6541	76
25	9.427582	245	9.983858	19	9.443724	264	10.556276	75
26	7827	245	839	19	3988	264	6012	74
27	8072	246	820	19	4252	265	5748	73
28	8318	245	801	19	4517	264	5483	72
29	8563	245	782	19	4781	264	5219	71
0.1730	8808	244	763	19	5045	263	4956	0.8270
31	9052	245	744	19	5308	264	4692	69
32	9297	244	725	19	5572	263	4428	68
33	9541	245	706	19	5835	264	4165	67
34	9.429786	244	687	19	6099	263	3901	66
35	9.430030	244	668	19	6362	263	3638	65
36	0274	244	649	19	6625	263	3375	64
37	0518	243	630	19	6888	263	3112	63
38	0761	244	611	19	7151	263	2849	62
39	1005	243	592	20	7414	262	2587	61
0.1740	1248	244	572	19	7676	263	2324	0.8260
41	1492	243	553	19	7939	262	2062	59
42	1735	243	534	19	8201	262	1799	58
43	1978	243	515	19	8463	262	1537	57
44	2221	242	496	19	8725	262	1275	56
45	2463	243	477	20	8987	262	1013	55
46	2706	242	457	19	9249	261	0752	54
47	2948	243	438	19	9510	262	0490	53
48	3191	242	419	19	9772	261	0229	52
49	3433	242	400	19	9.450033	261	10.549967	51
0.1750	9.433675		9.983381		9.450294		10.549706	0.8250
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 175.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang	Dif.	Log. Cot.	Arc.
0.1750	9.433675		9.983381		9.450294		10.549706	0.8250
51	3916	241	361	20	0555	261	9445	49
52	4158	242	342	19	0816	261	9184	48
53	4400	242	323	19	1077	261	8923	47
54	4641	241	304	19	1338	261	8663	46
55	4882	241	284	20	1598	260	8402	45
56	5123	241	265	19	1858	260	8142	44
57	5364	241	246	19	2119	261	7881	43
58	5605	241	226	20	2379	260	7621	42
59	5846	241	207	19	2639	260	7361	41
0.1760	6086	240	188	19	2899	260	7101	0.8240
61	6327	241	168	20	3158	259	6842	39
62	6567	240	149	19	3418	260	6582	38
63	6807	240	129	20	3677	259	6323	37
64	7047	240	110	19	3937	260	6063	36
65	7287	240	091	19	4196	259	5804	35
66	7526	239	071	20	4455	259	5545	34
67	7766	240	052	19	4714	259	5286	33
68	8005	239	032	20	4973	259	5027	32
69	8244	239	9.983013	19	5231	258	4769	31
0.1770	8483	239	9.982993	20	5490	259	4510	0.8230
71	8722	239	974	19	5748	258	4252	29
72	8961	239	955	19	6007	259	3993	28
73	9200	238	935	20	6265	258	3735	27
74	9438	239	916	19	6523	258	3477	26
75	9677	238	9.982896	20	9.456781	258	10.543219	25
76	9.439915	238	876	20	7039	257	2962	24
77	9.440153	238	857	19	7296	258	2704	23
78	0391	238	837	20	7554	257	2446	22
79	0629	237	818	19	7811	257	2189	21
0.1780	0866	238	798	20	8068	257	1932	0.8220
81	1104	237	779	19	8325	257	1675	19
82	1341	238	759	20	8582	257	1418	18
83	1579	237	739	20	8839	257	1161	17
84	1816	237	720	19	9096	257	0904	16
85	2053	236	700	20	9353	256	0647	15
86	2289	237	680	20	9609	256	0391	14
87	2526	237	661	19	9.459865	257	10.540135	13
88	2763	236	641	20	9.460122	256	10.539878	12
89	2999	236	621	20	0378	256	9622	11
0.1790	3235	237	602	19	0634	256	9366	0.8210
91	3472	236	582	20	0890	255	9111	09
92	3708	235	562	20	1145	256	8855	08
93	3943	236	543	19	1401	255	8599	07
94	4179	236	523	20	1656	256	8344	06
95	4415	235	503	20	1912	255	8088	05
96	4650	235	483	20	2167	255	7833	04
97	4885	236	464	19	2422	255	7578	03
98	5121	235	444	20	2677	255	7323	02
0.1799	5356	234	424	20	2932	254	7068	01
0.1800	9.445590		9.982404		9.463186		10.536814	0.8200
Arc.	Log. Co in.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 820.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1800	9.445590		9.982404		9.463186		10.536814	0.8200
01	5825	235	384	20	3441	255	6559	0.8199
02	6060	235	364	20	3695	254	6305	98
03	6294	234	345	19	3950	255	6050	97
04	6529	235	325	20	4204	254	5796	96
05	6763	234	305	20	4458	254	5542	95
06	6997	234	285	20	4712	254	5288	94
07	7231	234	265	20	4966	253	5034	93
08	7465	234	245	20	5219	254	4781	92
09	7698	233	225	20	5473	253	4527	91
0.1810	7932	234	205	20	5726	254	4274	0.8190
11	8165	233	185	20	5980	253	4020	89
12	8398	233	165	20	6233	253	3767	88
13	8631	233	145	19	6486	253	3514	87
14	8864	233	126	20	6739	253	3261	86
15	9097	233	106	20	6992	252	3008	85
16	9330	232	086	20	7244	253	2756	84
17	9562	233	066	21	7497	252	2503	83
18	9.449795	232	045	20	7749	253	2251	82
19	9.450027	232	025	20	8002	252	1998	81
0.1820	0259	232	9.982005	20	8254	252	1746	0.8180
21	0491	232	9.981985	20	8506	252	1494	79
22	0723	232	965	20	8758	252	1242	78
23	0955	232	945	20	9010	251	0990	77
24	1187	231	925	20	9261	252	0739	76
25	9.451418	231	905	20	9513	252	0487	75
26	1649	232	885	20	9.469765	251	10.530236	74
27	1881	231	865	20	9.470016	251	10.529984	73
28	2112	231	845	21	0267	251	9733	72
29	2343	230	824	20	0518	251	9482	71
0.1830	2573	231	804	20	0769	251	9231	0.8170
31	2804	231	784	20	1020	251	8980	69
32	3035	230	764	20	1271	250	8729	68
33	3265	230	744	20	1521	251	8479	67
34	3495	231	724	21	1772	250	8228	66
35	3726	230	703	20	2022	250	7978	65
36	3956	229	683	20	2272	251	7728	64
37	4185	230	663	20	2523	250	7477	63
38	4415	230	643	21	2773	250	7227	62
39	4645	229	622	20	3023	249	6978	61
0.1840	4874	230	602	20	3272	250	6728	0.8160
41	5104	229	582	21	3522	249	6478	59
42	5333	229	561	20	3771	250	6229	58
43	5562	229	541	20	4021	249	5979	57
44	5791	229	521	21	4270	249	5730	56
45	6020	228	500	20	4519	249	5481	55
46	6248	229	480	20	4768	249	5232	54
47	6477	228	460	21	5017	249	4983	53
48	6705	229	439	20	5266	249	4734	52
49	6934	228	419	20	5515	248	4485	51
0.1850	9.457162		9.981399		9.475763		10.524237	0.8150
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1850	9.457162	228	9.981399	21	9.475763	249	10.524237	0.8150
51	7390	228	378	20	6012	248	3988	49
52	7618	228	358	21	6260	248	3740	48
53	7846	227	337	20	6508	248	3492	47
54	8073	228	317	21	6756	248	3244	46
55	8301	227	296	20	7004	248	2996	45
56	8528	227	276	20	7252	248	2748	44
57	8755	228	256	21	7500	248	2500	43
58	8983	227	235	20	7748	247	2252	42
59	9210	226	215	21	7995	248	2005	41
0.1860	9436	227	194	21	8243	247	1758	0.8140
61	9663	227	173	20	8490	247	1510	39
62	9.459890	226	153	21	8737	247	1263	38
63	9.460116	227	132	20	8984	247	1016	37
64	0343	226	112	21	9231	247	0769	36
65	0569	226	091	20	9478	246	0522	35
66	0795	226	071	21	9724	247	0276	34
67	1021	226	050	21	9.479971	246	10.520029	33
68	1247	226	029	20	9.480217	247	10.519783	32
69	1473	225	9.981009	21	0464	246	9536	31
0.1870	1698	226	9.980988	20	0710	246	9290	0.8130
71	1924	225	968	21	0956	246	9044	29
72	2149	225	947	21	1202	246	8798	28
73	2374	225	926	20	1448	246	8552	27
74	2599	225	906	21	1694	245	8306	26
75	9.462824	225	9.980885	21	9.481939	246	10.518061	25
76	3049	225	864	21	2185	245	7815	24
77	3274	224	843	20	2430	246	7570	23
78	3498	225	823	21	2676	245	7325	22
79	3723	224	802	21	2921	245	7079	21
0.1880	3947	224	781	20	3166	245	6834	0.8120
81	4171	224	761	21	3411	245	6589	19
82	4395	224	740	21	3656	244	6345	18
83	4619	224	719	21	3900	245	6100	17
84	4843	224	698	21	4145	244	5855	16
85	5067	223	677	20	4389	245	5611	15
86	5290	224	657	21	4634	244	5366	14
87	5514	223	636	21	4878	244	5122	13
88	5737	223	615	21	5122	244	4878	12
89	5960	223	594	21	5366	244	4634	11
0.1890	6183	223	573	21	5610	244	4390	0.8110
91	6406	223	552	21	5854	244	4146	09
92	6629	223	531	20	6098	243	3902	08
93	6852	222	511	21	6341	244	3659	07
94	7074	223	490	21	6585	243	3415	06
95	7297	222	469	21	6828	243	3172	05
96	7519	222	448	21	7071	243	2929	04
97	7741	222	427	21	7314	243	2686	03
98	7963	222	406	21	7557	243	2443	02
0.1899	8185	222	385	21	7800	243	2200	01
0.1900	9.468407		9.980364		9.488043		10.511957	0.8100
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 190.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.1900	9.468407		9.980364		9.488043		10.511957	0.8100
		222		21		243		
01	8629		343		8286		1714	0.8099
02	8850	221	322	21	8528	242	1472	98
03	9072	222	301	21	8771	243	1229	97
04	9293	221	280	21	9013	242	0987	96
05	9514	221	259	21	9255	242	0745	95
		221		21		242		
06	9735		238		9497		0503	94
07	9.469956	221	217	21	9739	242	0261	93
08	9.470177	221	196	21	9.489981	242	10.510019	92
09	0398	221	175	21	9.490223	242	10.509777	91
0.1910	0618	220	153	22	0465	242	9535	0.8090
		221		21		241		
11	0839		132		0706		9294	89
12	1059	220	111	21	0948	242	9052	88
13	1279	220	090	21	1189	241	8811	87
14	1499	220	069	21	1430	241	8570	86
15	1719	220	048	21	1672	242	8329	85
						241		
16	1939	220	027	21	1913		8088	84
17	2159	219	9.980005	22	2153	240	7847	83
18	2378	220	9.979984	21	2394	241	7606	82
19	2598	219	963	21	2635	241	7365	81
0.1920	2817	220	942	21	2876	241	7125	0.8080
				21		240		
21	3037	219	921	22	3116	240	6884	79
22	3256	219	899	21	3356	241	6644	78
23	3475	219	878	21	3597	240	6404	77
24	3694	218	857	21	3837	240	6163	76
25	9.473912	219	9.979836	22	9.494077	240	10.505923	75
						240		
26	4131	218	814	21	4317	239	5683	74
27	4349	219	793	21	4556	240	5444	73
28	4568	218	772	22	4796	240	5204	72
29	4786	218	750	21	5036	239	4964	71
0.1930	5004	218	729	21	5275	240	4725	0.8070
31	5222	218	708	22	5515	239	4485	69
32	5440	218	686	21	5754	239	4246	68
33	5658	218	665	21	5993	239	4007	67
34	5876	217	644	22	6232	239	3768	66
35	6093	218	622	21	6471	239	3529	65
						239		
36	6311	217	601	22	6710	239	3290	64
37	6528	217	579	21	6949	238	3052	63
38	6745	217	558	22	7187	239	2813	62
39	6962	217	536	21	7426	238	2574	61
0.1940	7179	217	515	21	7664	238	2336	0.8060
41	7396	217	494	22	7902	239	2098	59
42	7613	216	472	21	8141	238	1860	58
43	7829	217	451	22	8379	238	1621	57
44	8046	216	429	21	8617	238	1383	56
45	8262	216	408	22	8854	237	1146	55
						238		
46	8478	216	386	21	9092	238	0908	54
47	8694	216	365	22	9330	237	0670	53
48	8910	216	343	22	9567	238	0433	52
49	9126	216	321	21	9.499805	237	10.500195	51
0.1950	9.479342		9.979300		9.500042		10.499958	0.8050
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 805.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot	Arc.
0.1950	9.479342	216	9.979300	22	9.500042	237	10.499958	0.8050
51	9558	215	278	21	0279	238	9721	49
52	9773	216	257	22	0517	237	9484	48
53	9.479989	215	235	22	0754	236	9247	47
54	9.480204	215	213	21	0990	237	9010	46
55	0419	215	192	22	1227	237	8773	45
56	0634	215	170	21	1464	237	8536	44
57	0849	215	149	22	1701	236	8300	43
58	1064	215	127	22	1937	236	8063	42
59	1279	214	105	21	2173	237	7827	41
0.1960	1493	215	084	22	2410	236	7590	0.8040
61	1708	214	062	22	2646	236	7354	39
62	1922	214	040	22	2882	236	7118	38
63	2136	214	9.979018	21	3118	236	6882	37
64	2350	214	9.978997	22	3354	236	6646	36
65	2564	214	975	22	3590	235	6411	35
66	2778	214	953	22	3825	236	6175	34
67	2992	214	931	21	4061	235	5939	33
68	3206	213	910	22	4296	236	5704	32
69	3419	214	888	22	4532	235	5469	31
0.1970	3633	213	866	22	4767	235	5233	0.8030
71	3846	213	844	22	5002	235	4998	29
72	4059	213	822	21	5237	235	4763	28
73	4272	213	801	22	5472	235	4528	27
74	4485	213	779	22	5707	234	4293	26
75	9.484698	213	9.978757	22	9.505941	235	10.494059	25
76	4911	213	735	22	6176	235	3824	24
77	5124	212	713	22	6411	234	3590	23
78	5336	212	691	22	6645	234	3355	22
79	5548	213	669	22	6879	234	3121	21
0.1980	5761	212	647	22	7113	235	2887	0.8020
81	5973	212	625	22	7348	234	2653	19
82	6185	212	603	22	7582	233	2419	18
83	6397	212	581	21	7815	234	2185	17
84	6609	211	560	22	8049	234	1951	16
85	6820	212	538	22	8283	233	1717	15
86	7032	211	516	22	8516	234	1484	14
87	7243	212	494	22	8750	233	1250	13
88	7455	211	472	23	8983	234	1017	12
89	7666	211	449	22	9217	233	0783	11
0.1990	7877	211	427	22	9450	233	0550	0.8010
91	8088	211	405	22	9683	233	0317	09
92	8299	211	383	22	9.509916	233	10.490084	08
93	8510	211	361	22	9.510149	233	10.489851	07
94	8721	210	339	22	0382	232	9619	06
95	8931	211	317	22	0614	233	9386	05
96	9142	210	295	22	0847	232	9153	04
97	9352	210	273	22	1079	233	8921	03
98	9562	210	251	22	1312	232	8688	02
0.1999	9772	210	229	23	1544	232	8456	01
0.2000	9.489982		9.978206		9.511776		10.488224	0.8000
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 200.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2000	9.489982		9.978206		9.511776		10.488224	0.8000
		210		22		232		
01	9.490192		184		2008		7992	0.7999
02	0402	210	162	22	2240	232	7760	98
03	0612	210	140	22	2472	232	7528	97
04	0821	209	118	22	2704	232	7296	96
05	1031	210	095	23	2935	231	7065	95
		209		22		232		
06	1240		073		3167	231	6833	94
07	1449	209	051	22	3398	232	6602	93
08	1658	209	029	22	3630	231	6370	92
09	1867	209	9.978006	23	3861	231	6139	91
0.2010	2076	209	9.977984	22	4092	231	5908	0.7990
		209		22		231		
11	2285		962		4323	231	5677	89
12	2494	209	940	22	4554	231	5446	88
13	2702	208	917	23	4785	231	5215	87
14	2911	209	895	22	5016	231	4984	86
15	3119	208	873	22	5247	230	4753	85
		208		23		231		
16	3327		850		5477	230	4523	84
17	3536	209	828	22	5708	230	4292	83
18	3744	208	805	23	5938	230	4062	82
19	3951	207	783	22	6168	231	3832	81
0.2020	4159	208	761	22	6399	230	3602	0.7980
		208		23		230		
21	4367		738		6629	230	3371	79
22	4574	207	716	22	6859	230	3141	78
23	4782	208	693	23	7089	229	2912	77
24	4989	207	671	22	7318	230	2682	76
25	9.495197	208	9.977649	22	9.517548	230	10.482452	75
		207		23		229		
26	5404		626		7778	230	2222	74
27	5611	207	604	22	8007	229	1993	73
28	5818	207	581	23	8237	229	1764	72
29	6024	206	559	22	8466	229	1534	71
0.2030	6231	207	536	23	8695	229	1305	0.7970
		207		22		229		
31	6438		514		8924	229	1076	69
32	6644	206	491	23	9153	229	0847	68
33	6850	206	468	23	9382	229	0618	67
34	7057	207	446	22	9611	229	0389	66
35	7263	206	423	23	9.519840	228	10.480160	65
		206		22		229		
36	7469		401		9.520068	228	10.479932	64
37	7675	206	378	23	0297	229	9703	63
38	7881	206	356	22	0525	228	9475	62
39	8086	205	333	23	0754	229	9247	61
0.2040	8292	206	310	23	0982	228	9018	0.7960
		206		22		228		
41	8498		288		1210	228	8790	59
42	8703	205	265	23	1438	228	8562	58
43	8908	205	242	23	1666	228	8334	57
44	9113	205	220	22	1894	228	8106	56
45	9318	205	197	23	2122	228	7879	55
		205		23		227		
46	9523		174		2349	228	7651	54
47	9728	205	151	23	2577	227	7423	53
48	9.499933	205	129	22	2804	228	7196	52
49	9.500138	205	106	23	3032	227	6968	51
0.2050	9.500342	204	9.977083	23	9.523259	227	10.476741	0.7950
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot	Dif.	Log. Tang.	Arc.

0. 795.

0. 205.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2050	9.500342		9.997083		9.523259		10.476741	0.7950
		205		23		227		
51	0547		060		3486		6514	49
		204		22		227		
52	0751		038		3713		6287	48
		204		23		227		
53	0955		9.977015		3940		6060	47
		204		23		227		
54	1159		9.976992		4167		5833	46
		204		23		227		
55	1363		969		4394		5606	45
		204		23		227		
56	1567		946		4621		5379	44
		204		22		226		
57	1771		924		4847		5153	43
		204		23		227		
58	1975		901		5074		4926	42
		203		23		226		
59	2178		878		5300		4700	41
		204		23		227		
0.2060	2382		855		5527		4474	0.7940
		203		23		226		
61	2585		832		5753		4247	39
		203		23		226		
62	2788		809		5979		4021	38
		203		23		226		
63	2991		786		6205		3795	37
		203		23		226		
64	3194		763		6431		3569	36
		203		22		226		
65	3397		741		6657		3343	35
		203		23		226		
66	3600		718		6883		3117	34
		203		23		225		
67	3803		695		7108		2892	33
		203		23		226		
68	4006		672		7334		2666	32
		202		23		225		
69	4208		649		7559		2441	31
		202		23		226		
0.2070	4410		626		7785		2215	0.7930
		203		23		225		
71	4613		603		8010		1990	29
		202		23		225		
72	4815		580		8235		1765	28
		202		23		225		
73	5017		557		8460		1540	27
		202		23		225		
74	5219		534		8685		1315	26
		202		23		225		
75	9.505421		9.976511		9.528910		10.471090	25
		202		24		225		
76	5623		487		9135		0865	24
		201		23		225		
77	5824		464		9360		0640	23
		202		23		225		
78	6026		441		9585		0415	22
		201		23		224		
79	6227		418		9.529809		10.470191	21
		202		23		225		
0.2080	6429		395		9.530034		10.469966	0.7920
		201		23		224		
81	6630		372		0258		9742	19
		201		23		224		
82	6831		349		0482		9518	18
		201		23		225		
83	7032		326		0707		9294	17
		201		23		224		
84	7233		303		0931		9069	16
		201		24		224		
85	7434		279		1155		8845	15
		201		23		224		
86	7635		256		1379		8621	14
		200		23		223		
87	7835		233		1602		8398	13
		201		23		224		
88	8036		210		1826		8174	12
		200		23		224		
89	8236		187		2050		7950	11
		201		24		223		
0.2090	8437		163		2273		7727	0.7910
		200		23		224		
91	8637		140		2497		7503	09
		200		23		223		
92	8837		117		2720		7280	08
		200		23		224		
93	9037		094		2944		7057	07
		200		24		223		
94	9237		070		3167		6833	06
		200		23		223		
95	9437		047		3390		6610	05
		200		23		223		
96	9637		024		3613		6387	04
		199		24		223		
97	9.509836		9.976000		3836		6164	03
		200		23		223		
98	9.510036		9.975977		4059		5941	02
		199		23		222		
0.2099	0235		954		4281		5719	01
		199		24		223		
0.2100	9.510434		9.975930		9.534504		10.465496	0.7900
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 790.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2100	9.510434		9.975930		9.534504		10.465496	0.7900
		200		23		223		
01	0634		907	23	4727		5274	0.7899
02	0833	199	884	23	4949	222	5051	98
03	1032	199	860	24	5171	222	4829	97
04	1231	199	837	23	5394	223	4606	96
05	1429	198	813	24	5616	222	4384	95
		199		23		222		
06	1628		790		5838		4162	94
07	1827	199	767	23	6060	222	3940	93
08	2025	198	743	24	6282	222	3718	92
09	2223	198	720	23	6504	222	3496	91
0.2110	2422	199	696	24	6726	222	3274	0.7890
		198		23		221		
11	2620		673		6947		3053	89
12	2818	198	649	24	7169	222	2831	88
13	3016	198	626	23	7390	221	2610	87
14	3214	198	602	24	7612	222	2388	86
15	3412	198	579	23	7833	221	2167	85
		197		24		221		
16	3609		555		8054		1946	84
17	3807	198	532	23	8275	221	1725	83
18	4004	197	508	24	8496	221	1504	82
19	4202	198	484	24	8717	221	1283	81
0.2120	4399	197	461	23	8938	221	1062	0.7880
		197		24		221		
21	4596		437		9159		0841	79
22	4793	197	414	23	9380	221	0620	78
23	4990	197	390	24	9600	220	0400	77
24	5187	197	366	24	9.539821	221	10.460179	76
25	9.515384	197	9.975343	23	9.540041	220	10.459959	75
		197		24		221		
26	5581		319		0262		9738	74
27	5777	196	295	24	0482	220	9518	73
28	5974	197	272	23	0702	220	9298	72
29	6170	196	248	24	0922	220	9078	71
0.2130	6366	196	224	24	1142	220	8858	0.7870
		197		23		220		
31	6563		201		1362		8638	69
32	6759	196	177	24	1582	220	8418	68
33	6955	196	153	24	1802	220	8199	67
34	7150	195	129	24	2021	219	7979	66
35	7346	196	106	23	2241	220	7759	65
		196		24		219		
36	7542		082		2460		7540	64
37	7738	196	058	24	2680	220	7321	63
38	7933	195	034	24	2899	219	7101	62
39	8128	195	9.975010	24	3118	219	6882	61
0.2140	8324	196	9.974987	23	3337	219	6663	0.7860
		195		24		219		
41	8519		963		3556		6444	59
42	8714	195	939	24	3775	219	6225	58
43	8909	195	915	24	3994	219	6006	57
44	9104	195	891	24	4213	219	5787	56
45	9299	195	867	24	4431	218	5569	55
		194		24		219		
46	9493		843		4650		5350	54
47	9688	195	819	24	4869	219	5131	53
48	9.519882	194	795	24	5087	218	4913	52
49	9.520077	195	772	23	5305	218	4695	51
0.2150	9.520271	194	9.974748	24	9.545524	219	10.454476	0.7850
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
).2150	9.520271		9.974748		9.545524		10.454476	0.7850
51	0465	194	724	24	5742	218	4258	49
52	0659	194	700	24	5960	218	4040	48
53	0853	194	676	24	6178	218	3822	47
54	1047	194	652	24	6396	218	3604	46
55	1241	194	628	24	6614	218	3386	45
56	1435	194	604	24	6831	217	3169	44
57	1629	193	580	24	7049	218	2951	43
58	1822	194	556	25	7267	218	2733	42
59	2016	193	531	24	7484	217	2516	41
).2160	2209	193	507	24	7702	218	2299	0.7840
61	2402	193	483	24	7919	217	2081	39
62	2595	193	459	24	8136	217	1864	38
63	2788	193	435	24	8353	217	1647	37
64	2981	193	411	24	8570	217	1430	36
65	3174	193	387	24	8787	217	1213	35
66	3367	193	363	24	9004	217	0996	34
67	3560	192	339	25	9221	217	0779	33
68	3752	193	314	24	9438	216	0562	32
69	3945	192	290	24	9654	217	0346	31
).2170	4137	192	266	24	9.549871	216	10.450129	0.7830
71	4329	192	242	24	9.550087	217	10.449913	29
72	4521	192	218	25	0304	216	9696	28
73	4713	192	193	24	0520	216	9480	27
74	4905	192	169	24	0736	217	9264	26
75	9.525097	192	9.974145	24	0953	216	9048	25
76	5289	192	121	25	1169	216	8832	24
77	5481	191	096	24	1385	215	8616	23
78	5672	192	072	24	1600	216	8400	22
79	5864	191	048	25	1816	216	8184	21
).2180	6055	192	9.974023	24	2032	216	7968	0.7820
81	6247	191	9.973999	24	2248	215	7752	19
82	6438	191	975	25	2463	216	7537	18
83	6629	191	950	24	2679	215	7321	17
84	6820	191	926	24	2894	215	7106	16
85	7011	191	902	25	3109	216	6891	15
86	7202	191	877	24	3325	215	6675	14
87	7393	190	853	25	3540	215	6460	13
88	7583	191	828	24	3755	215	6245	12
89	7774	190	804	24	3970	215	6030	11
).2190	7964	191	780	25	4185	215	5815	0.7810
91	8155	190	755	24	4400	214	5601	09
92	8345	190	731	25	4614	215	5386	08
93	8535	190	706	24	4829	215	5171	07
94	8725	190	682	25	5044	214	4957	06
95	8915	190	657	24	5258	214	4742	05
96	9105	190	633	25	5472	215	4528	04
97	9295	190	608	24	5687	214	4313	03
98	9485	189	584	25	5901	214	4099	02
).2199	9674	190	559	24	6115	214	3885	01
).2200	9.529864		9.973535		9.556329		10.443671	0.7800
Arc.	Log. Cosin.	Dif.	Log. Sin	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2200	9.529864		9.973535		9.556329		10.443671	0.7800
		189		25		214		
01	9.530053		510		6543		3457	0.7799
02	0243	190	485	25	6757	214	3243	98
03	0432	189	461	24	6971	214	3029	97
04	0621	189	436	25	7185	214	2815	96
05	0810	189	412	24	7398	213	2602	95
		189		25		214		
06	0999		387		7612		2388	94
07	1188	189	362	25	7826	214	2174	93
08	1377	189	338	24	8039	213	1961	92
09	1565	188	313	25	8252	213	1748	91
0.2210	1754	189	288	25	8466	214	1534	0.7790
		189		24		213		
11	1943		264		8679		1321	89
12	2131	188	239	25	8892	213	1108	88
13	2319	188	214	25	9105	213	0895	87
14	2508	189	190	24	9318	213	0682	86
15	2696	188	165	25	9531	213	0469	85
		188		25		213		
16	2884		140		9744		0256	84
17	3072	188	115	25	9.559956	212	10.440044	83
18	3260	188	091	24	9.560169	213	10.439831	82
19	3447	187	066	25	0382	213	9619	81
0.2220	3635	188	041	25	0594	212	9406	0.7780
		188		25		212		
21	3823		9.973016		0806		9194	79
22	4010	187	9.972991	25	1019	213	8981	78
23	4197	187	967	24	1231	212	8769	77
24	4385	188	942	25	1443	212	8557	76
25	9.534572	187	917	25	9.561655	212	10.438345	75
		187		25		212		
26	4759		892		1867		8133	74
27	4946	187	867	25	2079	212	7921	73
28	5133	187	842	25	2291	212	7709	72
29	5320	187	817	25	2503	212	7497	71
0.2230	5507	187	792	25	2714	211	7286	0.7770
		186		25		212		
31	5693		767		2926		7074	69
32	5880	187	743	24	3138	212	6863	68
33	6067	187	718	25	3349	211	6651	67
34	6253	186	693	25	3560	211	6440	66
35	6439	186	668	25	3772	212	6228	65
		186		25		211		
36	6625		643		3983		6017	64
37	6812	187	618	25	4194	211	5806	63
38	6998	186	593	25	4405	211	5595	62
39	7184	186	568	25	4616	211	5384	61
0.2240	7369	185	543	25	4827	211	5173	0.7760
		186		26		211		
41	7555		517		5038		4962	59
42	7741	186	492	25	5248	210	4752	58
43	7926	185	467	25	5459	211	4541	57
44	8112	186	442	25	5670	211	4330	56
45	8297	185	417	25	5880	210	4120	55
		186		25		211		
46	8483		392		6091		3909	54
47	8668	185	367	25	6301	210	3699	53
48	8853	185	342	25	6511	210	3489	52
49	9038	185	317	25	6722	211	3279	51
0.2250	9.539223	185	9.972291	26	9.566932	210	10.433068	0.7750
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2250	9.539223		9.972291		9.566932		10.433068	0.7750
		185		25		210		
51	9408		266		7142		2858	49
		185		25		210		
52	9593		241		7352		2648	48
		184		25		210		
53	9777		216		7562		2439	47
		185		25		209		
54	9.539962		191		7771		2229	46
		185		26		210		
55	9.540147		165		7981		2019	45
		184		25		210		
56	0331		140		8191		1809	44
		184		25		209		
57	0515		115		8400		1600	43
		185		25		210		
58	0700		090		8610		1390	42
		184		26		209		
59	0884		064		8819		1181	41
		184		25		210		
0.2260	1068		039		9029		0971	0.7740
		184		25		209		
61	1252		9.972014		9238		0762	39
		184		25		209		
62	1436		9.971989		9447		0553	38
		183		26		209		
63	1619		963		9656		0344	37
		184		25		209		
64	1803		938		9.569865		10.430135	36
		184		25		209		
65	1987		913		9.570074		10.429926	35
		183		26		209		
66	2170		887		0283		9717	34
		184		25		209		
67	2354		862		0492		9508	33
		183		26		209		
68	2537		836		0701		9299	32
		183		25		208		
69	2720		811		0909		9091	31
		184		25		209		
0.2270	2904		786		1118		8882	0.7730
		183		26		208		
71	3087		760		1326		8674	29
		183		25		209		
72	3270		735		1535		8465	28
		183		26		208		
73	3453		709		1743		8257	27
		182		25		209		
74	3635		684		1952		8049	26
		183		26		208		
75	9.543818		9.971658		9.572160		10.427840	25
		183		25		208		
76	4001		633		2368		7632	24
		182		25		208		
77	4183		608		2576		7424	23
		183		26		208		
78	4366		582		2784		7216	22
		182		26		208		
79	4548		556		2992		7008	21
		183		25		208		
0.2280	4731		531		3200		6800	0.7720
		182		26		207		
81	4913		505		3407		6593	19
		182		25		208		
82	5095		480		3615		6385	18
		182		26		208		
83	5277		454		3823		6177	17
		182		25		207		
84	5459		429		4030		5970	16
		182		26		208		
85	5641		403		4238		5762	15
		182		25		207		
86	5823		378		4445		5555	14
		181		26		207		
87	6004		352		4652		5348	13
		182		26		208		
88	6186		326		4860		5140	12
		181		25		207		
89	6367		301		5067		4933	11
		182		26		207		
6.2290	6549		275		5274		4726	0.7710
		181		26		207		
91	6730		249		5481		4519	09
		182		25		207		
92	6912		224		5688		4312	08
		181		26		207		
93	7093		198		5895		4105	07
		181		26		207		
94	7274		172		6102		3899	06
		181		25		206		
95	7455		147		6308		3692	05
		181		26		207		
96	7636		121		6515		3485	04
		181		26		206		
97	7817		095		6721		3279	03
		180		26		207		
98	7997		069		6928		3072	02
		181		25		206		
0.2299	8178		044		7134		2866	01
		181		26		207		
0.2300	9.548359		9.971018		9.577341		10.422659	0.7700
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2300	9.548359		9.971018		9.577341		10.422659	0.7700
		180		26		206		
01	8539	180	9.970992	26	7547	206	2453	0.7699
02	8719	181	966	26	7753	206	2247	98
03	8900	180	940	25	7959	206	2041	97
04	9080	180	915	26	8165	206	1835	96
05	9260	180	889	26	8371	206	1629	95
06	9440	180	863	26	8577	206	1423	94
07	9620	180	837	26	8783	206	1217	93
08	9800	180	811	26	8989	206	1011	92
09	9.549980	180	785	26	9195	205	0805	91
0.2310	9.550160	179	759	25	9400	206	0600	0.7690
11	0339	180	734	26	9606	205	0394	89
12	0519	179	708	26	9.579811	206	10.420189	88
13	0698	180	682	26	9.580017	205	10.419983	87
14	0878	179	656	26	0222	205	9778	86
15	1057	179	630	26	0427	205	9573	85
16	1236	179	604	26	0632	206	9368	84
17	1415	179	578	26	0838	205	9163	83
18	1594	179	552	26	1043	205	8958	82
19	1773	179	526	26	1248	204	8753	81
0.2320	1952	179	500	26	1452	205	8548	0.7680
21	2131	179	474	26	1657	205	8343	79
22	2310	178	448	26	1862	205	8138	78
23	2488	179	422	26	2067	204	7933	77
24	2667	178	396	26	2271	205	7729	76
25	9.552845	179	9.970370	27	9.582476	204	10.417524	75
26	3024	178	343	26	2680	205	7320	74
27	3202	178	317	26	2885	204	7115	73
28	3380	178	291	26	3089	204	6911	72
29	3558	178	265	26	3293	204	6707	71
0.2330	3736	178	239	26	3497	205	6503	0.7670
31	3914	178	213	26	3702	204	6299	69
32	4092	178	187	26	3906	204	6095	68
33	4270	178	161	27	4110	203	5891	67
34	4448	177	134	26	4313	204	5687	66
35	4625	178	108	26	4517	204	5483	65
36	4803	177	082	26	4721	204	5279	64
37	4980	178	056	27	4925	203	5075	63
38	5158	177	029	26	5128	204	4872	62
39	5335	177	9.970003	26	5332	203	4668	61
0.2340	5512	177	9.969977	26	5535	204	4465	0.7660
41	5689	177	951	27	5739	203	4261	59
42	5866	177	924	26	5942	203	4058	58
43	6043	177	898	26	6145	203	3855	57
44	6220	177	872	27	6348	204	3652	56
45	6397	177	845	26	6552	203	3449	55
46	6574	176	819	26	6755	203	3246	54
47	6750	177	793	27	6958	202	3043	53
48	6927	176	766	26	7160	203	2840	52
49	7103	177	740	26	7363	203	2637	51
0.2350	9.557280		9.969714		9.587566		10.412434	0.7650
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang	Dif.	Log. Cot.	Arc.
0.2350	9.557280		9.969714		9.587566		10.412434	0.7650
		176		27		203		
51	7456	176	687	26	7769	202	2231	49
52	7632	176	661	27	7971	203	2029	48
53	7808	176	634	26	8174	202	1826	47
54	7984	176	608	26	8376	203	1624	46
55	8160	176	582	27	8579	202	1421	45
56	8336	176	555	26	8781	202	1219	44
57	8512	176	529	27	8983	203	1017	43
58	8688	175	502	26	9186	202	0814	42
59	8863	176	476	27	9388	202	0612	41
0.2360	9039	175	449	26	9590	202	0410	0.7640
61	9214	176	423	27	9792	202	0208	39
62	9390	175	396	27	9.589994	202	10.410006	38
63	9565	175	369	26	9.590196	201	10.409805	37
64	9740	175	343	27	0397	202	9603	36
65	9.559915	175	316	26	0599	202	9401	35
66	9.560090	175	290	27	0801	201	9199	34
67	0265	175	263	26	1002	202	8998	33
68	0440	175	237	27	1204	201	8796	32
69	0615	175	210	27	1405	202	8595	31
0.2370	0790	175	183	26	1607	201	8393	0.7630
71	0965	174	157	27	1808	201	8192	29
72	1139	175	130	27	2009	201	7991	28
73	1314	174	103	26	2210	201	7790	27
74	1488	174	077	27	2411	201	7589	26
75	9.561662	175	050	27	9.592612	201	10.407388	25
76	1837	174	9.969023	26	2813	201	7187	24
77	2011	174	9.968997	27	3014	201	6986	23
78	2185	174	970	27	3215	201	6785	22
79	2359	174	943	27	3416	201	6584	21
0.2380	2533	174	916	26	3617	200	6383	0.7620
81	2707	174	890	27	3817	201	6183	19
82	2881	173	863	27	4018	200	5982	18
83	3054	174	836	27	4218	201	5782	17
84	3228	173	809	27	4419	200	5581	16
85	3401	174	782	26	4619	200	5381	15
86	3575	173	756	27	4819	201	5181	14
87	3748	174	729	27	5020	200	4981	13
88	3922	173	702	27	5220	200	4780	12
89	4095	173	675	27	5420	200	4580	11
0.2390	4268	173	648	27	5620	200	4380	0.7619
91	4441	173	621	27	5820	200	4180	09
92	4614	173	594	27	6020	199	3980	08
93	4787	173	567	27	6219	200	3781	07
94	4960	172	540	26	6419	200	3581	06
95	5132	173	514	27	6619	199	3381	05
96	5305	173	487	27	6818	200	3182	04
97	5478	172	460	27	7018	200	2982	03
98	5650	172	433	27	7218	199	2783	02
0.2399	5822	173	406	27	7417	199	2583	01
0.2400	9.565995		9.968379		9.597616		10.402384	0.7600
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2400	9.565995		9.968379		9.597616		10.402384	0.7600
01	6167	172	352	27	7816	200	2185	0.7599
02	6339	172	325	27	8015	199	1985	98
03	6511	172	298	27	8214	199	1786	97
04	6683	172	270	28	8413	199	1587	96
05	6855	172	243	27	8612	199	1388	95
06	7027	172	216	27	8811	199	1189	94
07	7199	172	189	27	9010	199	0990	93
08	7371	171	162	27	9209	199	0791	92
09	7542	172	135	27	9407	198	0593	91
0.2410	7714	171	108	27	9606	199	0394	0.7590
11	7885	172	081	27	9.599805	199	10.400195	89
12	8057	171	054	28	9.600003	198	10.399997	88
13	8228	171	9.968026	27	0202	199	9798	87
14	8399	171	9.967999	27	0400	198	9600	86
15	8570	172	972	27	0598	198	9402	85
16	8742	171	945	27	0797	199	9203	84
17	8913	171	918	28	0995	198	9005	83
18	9084	170	890	27	1193	198	8807	82
19	9254	171	863	27	1391	198	8609	81
0.2420	9425	171	836	27	1589	198	8411	0.7580
21	9596	170	809	28	1787	198	8213	79
22	9766	171	781	27	1985	198	8015	78
23	9.569937	170	754	27	2183	198	7817	77
24	9.570107	171	727	28	2381	197	7619	76
25	0278	170	9.967699	27	9.602578	198	10.397422	75
26	0448	170	672	27	2776	198	7224	74
27	0618	170	645	28	2974	197	7027	73
28	0788	171	617	27	3171	198	6829	72
29	0959	170	590	27	3369	197	6632	71
0.2430	1129	169	563	28	3566	197	6434	0.7570
31	1298	170	535	27	3763	197	6237	69
32	1468	170	508	27	3960	198	6040	68
33	1638	170	481	28	4158	197	5842	67
34	1808	169	453	27	4355	197	5645	66
35	1977	170	426	28	4552	197	5448	65
36	2147	169	398	27	4749	197	5251	64
37	2316	170	371	28	4946	197	5054	63
38	2486	169	343	27	5143	196	4858	62
39	2655	169	316	28	5339	197	4661	61
0.2440	2824	169	288	27	5536	197	4464	0.7560
41	2993	170	261	28	5733	196	4267	59
42	3163	168	233	27	5929	197	4071	58
43	3331	169	206	28	6126	196	3874	57
44	3500	169	178	27	6322	197	3678	56
45	3669	169	151	28	6519	196	3481	55
46	3838	169	123	28	6715	196	3285	54
47	4007	168	095	27	6911	197	3089	53
48	4175	169	068	28	7108	196	2893	52
49	4344	168	040	27	7304	196	2696	51
0.2450	9.574512		9.967013		9.607500		10.392500	0.7550
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
2450	9.574512	169	9.967013	28	9.607500	196	10.392500	0.7550
51	4681	168	9.966985	28	7696	196	2304	49
52	4849	168	957	27	7892	196	2108	48
53	5017	168	930	28	8088	196	1912	47
54	5185	169	902	28	8284	195	1717	46
55	5354	168	874	27	8479	196	1521	45
56	5522	167	847	28	8675	196	1325	44
57	5689	168	819	28	8871	195	1129	43
58	5857	168	791	28	9066	196	0934	42
59	6025	168	763	27	9262	195	0738	41
2460	6193	167	736	28	9457	196	0543	0.7540
61	6360	168	708	28	9653	195	0348	39
62	6528	167	680	28	9.609848	195	10.390152	38
63	6695	168	652	27	9.610043	195	10.389957	37
64	6863	167	625	28	0238	196	9762	36
65	7030	167	597	28	0434	195	9567	35
66	7197	168	569	28	0629	195	9372	34
67	7365	167	541	28	0824	195	9177	33
68	7532	167	513	28	1019	194	8982	32
69	7699	167	485	28	1213	195	8787	31
2470	7866	167	457	27	1408	195	8592	0.7530
71	8033	166	430	28	1603	195	8397	29
72	8199	167	402	28	1798	194	8202	28
73	8366	167	374	28	1992	195	8008	27
74	8533	166	346	28	2187	194	7813	26
75	9.578699	167	9.966318	28	9.612381	195	10.387619	25
76	8866	166	290	28	2576	194	7424	24
77	9032	167	262	28	2770	195	7230	23
78	9199	166	234	28	2965	194	7035	22
79	9365	166	206	28	3159	194	6841	21
2480	9531	166	178	28	3353	194	6647	0.7520
81	9697	166	150	28	3547	194	6453	19
82	9.579863	166	122	28	3741	194	6259	18
83	9.580029	166	094	28	3935	194	6065	17
84	0195	166	066	28	4129	194	5871	16
85	0361	166	038	28	4323	194	5677	15
86	0527	165	9.966010	28	4517	194	5483	14
87	0692	166	9.965982	28	4711	194	5289	13
88	0858	166	954	29	4905	193	5096	12
89	1024	165	925	28	5098	194	4902	11
2490	1189	165	897	28	5292	193	4708	0.7510
91	1354	166	869	28	5485	194	4515	09
92	1520	165	841	28	5679	193	4321	08
93	1685	165	813	28	5872	194	4128	07
94	1850	165	785	28	6066	193	3935	06
95	2015	165	757	29	6259	193	3741	05
96	2180	165	728	28	6452	193	3548	04
97	2345	165	700	28	6645	193	3355	03
98	2510	165	672	28	6838	193	3162	02
2499	2675	165	644	29	7031	193	2969	01
2500	9.582840		9.965615		9.617224		10.382776	0.7500
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 250.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2500	9.582840		9.965615		9.617224		10.382776	0.7500
		164		28		193		
01	3004		587		7417		2583	0.7499
02	3169	165	559	28	7610	193	2390	98
03	3333	164	531	28	7803	193	2197	97
04	3498	165	502	29	7996	193	2004	96
05	3662	164	474	28	8188	192	1812	95
		165		28		193		
06	3827		446		8381		1619	94
07	3991	164	417	29	8574	193	1427	93
08	4155	164	389	28	8766	192	1234	92
09	4319	164	361	28	8958	192	1042	91
0.2510	4483	164	332	29	9151	193	0849	0.7490
		164		28		192		
11	4647		304		9343		0657	89
12	4811	164	275	29	9535	192	0465	88
13	4975	164	247	28	9728	193	0272	87
14	5138	163	219	28	9.619920	192	10.380080	86
15	5302	164	190	29	9.620112	192	10.379888	85
		163		28		192		
16	5465		162		0304		9696	84
17	5629	164	133	29	0496	192	9504	83
18	5792	163	105	28	0688	192	9312	82
19	5956	164	076	29	0880	192	9121	81
0.2520	6119	163	048	28	1071	191	8929	0.7480
		163		29		192		
21	6282		9.965019		1263		8737	79
22	6445	163	9.964991	28	1455	192	8545	78
23	6608	163	962	29	1646	191	8354	77
24	6771	163	934	28	1838	192	8162	76
25	9.586934	163	905	29	9.622029	191	10.377971	75
		163		29		192		
26	7097		876		2221		7779	74
27	7260	163	848	28	2412	191	7588	73
28	7423	163	819	29	2603	191	7397	72
29	7585	162	791	28	2795	192	7205	71
0.2530	7748	163	762	29	2986	191	7014	0.7470
		162		29		191		
31	7910		733		3177		6823	69
32	8073	163	705	28	3368	191	6632	68
33	8235	162	676	29	3559	191	6441	67
34	8397	162	647	29	3750	191	6250	66
35	8560	163	619	28	3941	191	6059	65
		162		29		191		
36	8722		590		4132		5868	64
37	8884	162	561	29	4323	191	5678	63
38	9046	162	533	28	4513	190	5487	62
39	9208	162	504	29	4704	191	5296	61
0.2540	9370	162	475	29	4895	191	5106	0.7460
		161		29		190		
41	9531		446		5085		4915	59
42	9693	162	418	28	5276	191	4725	58
43	9.589855	162	389	29	5466	190	4534	57
44	9.590016	161	360	29	5656	190	4344	56
45	0178	162	331	29	5847	191	4153	55
		161		29		190		
46	0339		302		6037		3963	54
47	0500	161	273	29	6227	190	3773	53
48	0662	162	245	28	6417	190	3583	52
49	0823	161	216	29	6607	190	3393	51
0.2550	9.590984	161	9.964187	29	9.626797	190	10.373203	0.7450
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 745.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2550	9.590984	161	9.964187	29	9.626797	190	10.373203	0.7450
51	1145	161	158	29	6987	190	3013	49
52	1306	161	129	29	7177	190	2823	48
53	1467	161	100	29	7367	190	2633	47
54	1628	161	071	29	7557	190	2443	46
55	1789	160	042	29	7747	189	2254	45
56	1949	161	9.964013	29	7936	190	2064	44
57	2110	161	9.963984	29	8126	189	1874	43
58	2271	160	955	29	8315	190	1685	42
59	2431	161	926	29	8505	189	1495	41
0.2560	2592	160	897	29	8694	190	1306	0.7440
61	2752	160	868	29	8884	189	1116	39
62	2912	161	839	29	9073	189	0927	38
63	3073	160	810	29	9262	190	0738	37
64	3233	160	781	29	9452	189	0549	36
65	3393	160	752	29	9641	189	0359	35
66	3553	160	723	29	9.629830	189	10.370170	34
67	3713	160	694	29	9.630019	189	10.369981	33
68	3873	159	665	29	0208	189	9792	32
69	4032	160	636	29	0397	189	9603	31
0.2570	4192	160	607	29	0586	189	9414	0.7430
71	4352	159	577	30	0775	188	9226	29
72	4511	160	548	29	0963	189	9037	28
73	4671	159	519	29	1152	189	8848	27
74	4830	160	490	29	1341	188	8659	26
75	9.594990	159	9.963461	30	9.631529	189	10.368471	25
76	5149	159	431	29	1718	188	8282	24
77	5308	160	402	29	1906	189	8094	23
78	5468	159	373	29	2095	188	7905	22
79	5627	159	344	29	2283	188	7717	21
0.2580	5786	159	315	29	2471	189	7529	0.7420
81	5945	159	285	30	2660	188	7341	19
82	6104	158	256	29	2848	188	7152	18
83	6262	159	227	29	3036	188	6964	17
84	6421	159	197	30	3224	188	6776	16
85	6580	159	168	29	3412	188	6588	15
86	6739	158	139	29	3600	188	6400	14
87	6897	159	109	30	3788	188	6212	13
88	7056	158	080	29	3976	188	6024	12
89	7214	158	051	29	4164	187	5837	11
0.2590	7372	159	9.963021	30	4351	188	5649	0.7410
91	7531	158	9.962992	29	4539	188	5461	09
92	7689	158	962	30	4727	187	5273	08
93	7847	158	933	29	4914	188	5086	07
94	8005	158	904	29	5102	187	4898	06
95	8163	158	874	30	5289	188	4711	05
96	8321	158	845	29	5477	187	4523	04
97	8479	158	815	30	5664	187	4336	03
98	8637	158	786	29	5851	188	4149	02
0.2599	8795	157	756	30	6039	187	3962	01
0.2600	9.598952		9.962727	29	9.636226		10.363774	0.7400
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2600	9.598952	158	9.962727	30	9.636226	187	10.363774	0.7400
01	9110	157	697	29	6413	187	3587	0.7399
02	9267	158	668	30	6600	187	3400	98
03	9425	157	638	30	6787	187	3213	97
04	9582	158	608	29	6974	187	3026	96
05	9740	157	579	30	7161	187	2839	95
06	9.599897	157	549	29	7348	187	2652	94
07	9.600054	157	520	30	7535	186	2466	93
08	0211	157	490	30	7721	187	2279	92
09	0368	157	460	29	7908	187	2092	91
0.2610	0525	157	431	30	8095	186	1905	0.7390
11	0682	157	401	30	8281	187	1719	89
12	0839	157	371	29	8468	186	1532	88
13	0996	157	342	30	8654	187	1346	87
14	1153	156	312	30	8841	186	1159	86
15	1309	157	282	29	9027	186	0973	85
16	1466	156	253	30	9213	187	0787	84
17	1622	157	223	30	9400	186	0600	83
18	1779	156	193	30	9586	186	0414	82
19	1935	157	163	29	9772	186	0228	81
0.2620	2092	156	134	30	9.639958	186	10.360042	0.7380
21	2248	156	104	30	9.640144	186	10.359856	79
22	2404	156	074	30	0330	186	9670	78
23	2560	156	044	30	0516	186	9484	77
24	2716	156	9.962014	29	0702	186	9298	76
25	9.602872	156	9.961985	30	0888	186	9112	75
26	3028	156	955	30	1074	185	8927	74
27	3184	156	925	30	1259	186	8741	73
28	3340	156	895	30	1445	186	8555	72
29	3496	155	865	30	1631	185	8370	71
0.2630	3651	156	835	30	1816	186	8184	0.7370
31	3807	155	805	30	2002	185	7999	69
32	3962	156	775	29	2187	185	7813	68
33	4118	155	746	30	2372	186	7628	67
34	4273	156	716	30	2558	185	7442	66
35	4429	155	686	30	2743	185	7257	65
36	4584	155	656	30	2928	185	7072	64
37	4739	155	626	30	3113	186	6887	63
38	4894	155	596	30	3299	185	6701	62
39	5049	155	566	30	3484	185	6516	61
0.2640	5204	155	536	30	3669	185	6331	0.7360
41	5359	155	506	30	3854	185	6146	59
42	5514	155	476	31	4039	184	5962	58
43	5669	155	445	30	4223	185	5777	57
44	5824	154	415	30	4408	185	5592	56
45	5978	155	385	30	4593	185	5407	55
46	6133	154	355	30	4778	184	5222	54
47	6287	155	325	30	4962	185	5038	53
48	6442	154	295	30	5147	185	4853	52
49	6596	155	265	30	5332	184	4669	51
0.2650	9.606751	Dif.	9.961235	D.	9.645516	Dif.	10.354484	0.7350
Arc.	Log. Cosin.		Log. Sin.		Log. Cot.		Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2650	9.606751	154	9.961235	31	9.645516	184	10.354484	0.7350
51	6905	154	204	30	5700	185	4300	49
52	7059	154	174	30	5885	184	4115	48
53	7213	154	144	30	6069	184	3931	47
54	7367	154	114	30	6253	185	3747	46
55	7521	154	084	31	6438	184	3562	45
56	7675	154	053	30	6622	184	3378	44
57	7829	154	9.961023	30	6806	184	3194	43
58	7983	154	9.960993	30	6990	184	3010	42
59	8137	153	963	31	7174	184	2826	41
0.2660	8290	154	932	30	7358	184	2642	0.7340
61	8444	154	902	30	7542	184	2458	39
62	8598	153	872	31	7726	184	2274	38
63	8751	154	841	30	7910	183	2090	37
64	8905	153	811	30	8093	184	1907	36
65	9058	153	781	31	8277	184	1723	35
66	9211	153	750	30	8461	183	1539	34
67	9364	154	720	30	8644	184	1356	33
68	9518	153	690	31	8828	183	1172	32
69	9671	153	659	30	9011	184	0989	31
0.2670	9824	153	629	31	9195	183	0805	0.7330
71	9.609977	153	598	30	9378	184	0622	29
72	9.610130	152	568	30	9562	183	0438	28
73	0282	153	538	31	9745	183	0255	27
74	0435	153	507	30	9.649928	183	10.350072	26
75	0588	153	9.960477	31	9.650111	183	10.349889	25
76	0741	152	446	30	0294	184	9706	24
77	0893	153	416	31	0478	183	9523	23
78	1046	152	385	30	0661	183	9339	22
79	1198	153	355	31	0844	183	9157	21
0.2680	1351	152	324	30	1027	182	8974	0.7320
81	1503	152	294	31	1209	183	8791	19
82	1655	152	263	31	1392	183	8608	18
83	1807	153	232	30	1575	183	8425	17
84	1960	152	202	31	1758	182	8242	16
85	2112	152	171	30	1940	183	8060	15
86	2264	152	141	31	2123	183	7877	14
87	2416	151	110	31	2306	182	7694	13
88	2567	152	079	30	2488	183	7512	12
89	2719	152	049	31	2671	182	7329	11
0.2690	2871	152	9.960018	31	2853	182	7147	0.7310
91	3023	151	9.959987	30	3035	183	6965	09
92	3174	152	957	31	3218	182	6782	08
93	3326	151	926	31	3400	182	6600	07
94	3477	152	895	31	3582	182	6418	06
95	3629	151	864	30	3764	182	6236	05
96	3780	151	834	31	3946	183	6054	04
97	3931	152	803	31	4129	182	5872	03
98	4083	151	772	31	4311	182	5690	02
0.2699	4234	151	741	30	4493	181	5508	01
0.2700	9.614385		9.959711		9.654674		10.345326	0.7300
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2700	9.614385		9.959711		9.654674		10.345326	0.7300
		151		31		182		
01	536		680		4856		5144	0.7299
		151		31		182		
02	687		649		5038		4962	98
		151		31		182		
03	838		618		5220		4780	97
		151		31		182		
04	9.614989		587		5402		4598	96
		151		31		181		
05	9.615140		556		5583		4417	95
		150		30		182		
06	290		526		5765		4235	94
		151		31		181		
07	441		495		5946		4054	93
		151		31		182		
08	592		464		6128		3872	92
		150		31		181		
09	742		433		6309		3691	91
		151		31		182		
0.2710	9.615893		402		6491		3509	0.7290
		150		31		181		
11	9.616043		371		6672		3328	89
		151		31		182		
12	194		340		6854		3147	88
		150		31		181		
13	344		309		7035		2965	87
		150		31		181		
14	494		278		7216		2784	86
		150		31		181		
15	644		247		7397		2603	85
		150		31		181		
16	794		216		7578		2422	84
		150		31		181		
17	9.616944		185		7759		2241	83
		150		31		181		
18	9.617094		154		7940		2060	82
		150		31		181		
19	244		123		8121		1879	81
		150		31		181		
0.2720	394		092		8302		1698	0.7280
		150		31		181		
21	544		061		8483		1517	79
		150		31		181		
22	694		9.959030		8664		1336	78
		149		31		181		
23	843		9.958999		8845		1155	77
		150		31		180		
24	9.617993		968		9025		0975	76
		150		31		181		
25	9.618143		937		9206		0794	75
		149		32		181		
26	292		905		9387		0613	74
		149		31		180		
27	441		874		9567		0433	73
		150		31		181		
28	591		843		9748		0252	72
		149		31		180		
29	740		812		9.659928		10.340072	71
		148		31		181		
0.2730	9.618889		781		9.660109		10.339891	0.7270
		150		31		180		
31	9.619039		750		0289		9711	69
		149		32		180		
32	188		718		0469		9531	68
		149		31		181		
33	337		687		0650		9350	67
		149		31		180		
34	486		656		0830		9170	66
		149		31		180		
35	635		625		1010		8990	65
		149		32		180		
36	784		593		1190		8810	64
		148		31		180		
37	9.619932		562		1370		8630	63
		149		31		180		
38	9.620081		531		1550		8450	62
		149		31		180		
39	230		500		1730		8270	61
		148		32		180		
0.2740	378		468		1910		8090	0.7260
		149		31		180		
41	527		437		2090		7910	59
		148		31		180		
42	675		406		2270		7730	58
		149		32		180		
43	824		374		2450		7550	57
		148		31		179		
44	9.620972		343		2629		7371	56
		149		32		180		
45	9.621121		311		2809		7191	55
		148		31		180		
46	269		280		2989		7011	54
		148		31		179		
47	417		249		3168		6832	53
		148		32		180		
48	565		217		3348		6652	52
		148		31		179		
49	713		186		3527		6473	51
		148		32		180		
0.2750	9.621861		9.958154		9.663707		10.336293	0.7250
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2750	9.621861	148	9.958154	31	9.663707	179	10.336293	0.7250
51	9.622009	148	123	32	3886	180	6114	49
52	157	148	091	31	4066	179	5934	48
53	305	148	060	32	4245	179	5755	47
54	453	147	9.958028	31	4424	179	5576	46
55	600	148	9.957997	32	4603	180	5397	45
56	748	148	965	31	4783	179	5217	44
57	9.622896	147	934	32	4962	179	5038	43
58	9.623043	148	902	31	5141	179	4859	42
59	191	147	871	32	5320	179	4680	41
0.2760	338	147	839	31	5499	179	4501	0.7240
61	485	148	808	32	5678	179	4322	39
62	633	147	776	32	5857	178	4144	38
63	780	147	744	31	6035	179	3965	37
64	9.623927	147	713	32	6214	179	3786	36
65	9.624074	147	681	31	6393	179	3607	35
66	221	147	650	32	6572	178	3428	34
67	368	147	618	32	6750	179	3250	33
68	515	147	586	32	6929	178	3071	32
69	662	147	554	31	7107	179	2893	31
0.2770	809	146	523	32	7286	178	2714	0.7230
71	9.624955	147	491	32	7464	179	2536	29
72	9.625102	147	459	31	7643	178	2357	28
73	249	146	428	32	7821	178	2179	27
74	395	147	396	32	7999	179	2001	26
75	542	146	9.957364	32	9.668178	178	10.331822	25
76	688	147	332	32	8356	178	1644	24
77	835	146	300	31	8534	178	1466	23
78	9.625981	146	269	32	8712	178	1288	22
79	9.626127	146	237	32	8890	178	1110	21
0.2780	273	146	205	32	9068	178	0932	0.7220
81	419	146	173	32	9246	178	0754	19
82	565	146	141	32	9424	178	0576	18
83	711	146	109	31	9602	178	0398	17
84	9.626857	146	078	32	9780	178	0220	16
85	9.627003	146	046	32	9.669958	177	10.330042	15
86	149	146	9.957014	32	9.670135	178	10.329865	14
87	295	146	9.956982	32	0313	178	9687	13
88	441	145	950	32	0491	177	9509	12
89	586	146	918	32	0668	177	9332	11
0.2790	732	145	886	32	0845	178	9154	0.7210
91	9.627877	146	854	32	1023	178	8977	09
92	9.628023	145	822	32	1201	177	8799	08
93	168	146	790	32	1378	178	8622	07
94	314	145	758	32	1556	177	8444	06
95	459	145	726	32	1733	177	8267	05
96	604	145	694	32	1910	178	8090	04
97	749	146	662	32	2088	177	7913	03
98	9.628895	145	630	32	2265	177	7735	02
0.2799	9.629040	145	598	32	2442	177	7558	01
0.2800	9.629185	145	9.956566	32	9.672619	177	10.327381	0.7200
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2800	9.629185		9.956566		9.672619		10.327381	0.7200
		145		32		177		
01	330		534	33	2796	177	7204	0.7199
02	474	144	501	32	2973	177	7027	98
03	619	145	469	32	3150	177	6850	97
04	764	145	437	32	3327	177	6673	96
05	9.629909	145	405	32	3504	177	6496	95
		144		32		177		
06	9.630053		373		3681		6319	94
07	198	145	341	32	3857	176	6143	93
08	342	144	308	33	4034	177	5966	92
09	487	145	276	32	4211	177	5789	91
0.2810	631	144	244	32	4387	176	5613	0.7190
		145		32		177		
11	776		212		4564		5436	89
12	9.630920	144	179	33	4741	177	5260	88
13	9.631064	144	147	32	4917	176	5083	87
14	208	144	115	32	5094	177	4907	86
15	353	145	083	32	5270	176	4730	85
		144		33		176		
16	497		050		5446		4554	84
17	641	144	9.956018	32	5623	177	4377	83
18	785	144	9.955986	32	5799	176	4201	82
19	9.631928	143	953	33	5975	176	4025	81
0.2820	9.632072	144	921	32	6151	176	3849	0.7180
		144		32		176		
21	216		889		6327		3673	79
22	360	144	856	33	6504	177	3497	78
23	503	143	824	32	6680	176	3320	77
24	647	144	791	33	6856	176	3144	76
25	791	144	9.955759	32	9.677032	176	10.322969	75
		143		32		175		
26	9.632934		727		7207		2793	74
27	9.633077	143	694	33	7383	176	2617	73
28	221	144	662	32	7559	176	2441	72
29	364	143	629	33	7735	176	2265	71
0.2830	507	143	597	32	7911	176	2089	0.7170
		144		33		175		
31	651		564		8086		1914	69
32	794	143	532	32	8262	176	1738	68
33	9.633937	143	499	33	8438	176	1562	67
34	9.634080	143	467	32	8613	175	1387	66
35	223	143	434	33	8789	176	1211	65
		143		33		175		
36	366		401		8964		1036	64
37	508	142	369	32	9140	176	0861	63
38	651	143	336	33	9315	175	0685	62
39	794	143	304	32	9490	175	0510	61
0.2840	9.634937	143	271	33	9666	176	0335	0.7160
		142		33		175		
41	9.635079		238		9.679841	175	10.320159	59
42	222	143	206	32	9.680016	175	10.319984	58
43	364	142	173	33	0191	175	9809	57
44	507	143	140	33	0366	175	9634	56
45	649	142	108	32	0541	175	9459	55
		142		33		175		
46	791		075		0716		9284	54
47	9.635934	143	042	33	0891	175	9109	53
48	9.636076	142	9.955010	32	1066	175	8934	52
49	218	142	9.954977	33	1241	175	8759	51
0.2850	9.636360	142	9.954944	33	9.681416	175	10.318584	0.7150
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
).2850	9.636360		9.954944		9.681416		10.318584	0.7150
		142		33		175		
51	502	142	911	32	1591	175	8409	49
52	644	142	879	33	1766	174	8235	48
53	786	142	846	33	1940	175	8060	47
54	9.636928	142	813	33	2115	175	7885	46
55	9.637070	141	780	33	2290	174	7711	45
56	211	142	747	32	2464	175	7536	44
57	353	142	715	33	2639	174	7361	43
58	495	141	682	33	2813	175	7187	42
59	636	142	649	33	2988	174	7012	41
).2860	778	141	616	33	3162	174	6838	0.7140
61	9.637919	142	583	33	3336	175	6664	39
62	9.638061	141	550	33	3511	174	6489	38
63	202	141	517	33	3685	174	6315	37
64	343	142	484	33	3859	174	6141	36
65	485	141	451	33	4033	175	5967	35
66	626	141	418	33	4208	174	5793	34
67	767	141	385	33	4382	174	5618	33
68	9.638908	141	352	33	4556	174	5444	32
69	9.639049	141	319	33	4730	174	5270	31
).2870	190	141	286	33	4904	174	5096	0.7130
71	331	141	253	33	5078	174	4922	29
72	472	141	220	33	5252	173	4749	28
73	613	140	187	33	5425	174	4575	27
74	753	141	154	33	5599	174	4401	26
75	9.639894	141	121	33	9.685773	174	10.314227	25
76	9.640035	140	088	33	5947	173	4053	24
77	175	141	055	33	6120	174	3880	23
78	316	140	9.954022	33	6294	174	3706	22
79	456	141	9.953989	34	6468	173	3533	21
).2880	597	140	955	33	6641	174	3359	0.7120
81	737	140	922	33	6815	173	3185	19
82	9.640877	140	889	33	6988	173	3012	18
83	9.641017	141	856	33	7161	174	2839	17
84	158	140	823	33	7335	173	2665	16
85	298	140	790	34	7508	173	2492	15
86	438	140	756	33	7681	174	2319	14
87	578	140	723	33	7855	173	2145	13
88	718	140	690	33	8028	173	1972	12
89	858	139	657	34	8201	173	1799	11
).2890	9.641997	140	623	33	8374	173	1626	0.7110
91	9.642137	140	590	33	8547	173	1453	09
92	277	140	557	34	8720	173	1280	08
93	417	139	523	33	8893	173	1107	07
94	556	140	490	33	9066	173	0934	06
95	696	139	457	34	9239	173	0761	05
96	835	140	423	33	9412	173	0588	04
97	9.642975	139	390	33	9585	173	0415	03
98	9.643114	139	357	34	9758	172	0243	02
).2899	253	140	323	33	9.689930	173	10.310070	01
).2900	9.643393		9.953290		9.690103		10.309897	0.7100
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2900	9.643393		9.953290		9.690103		10.309897	0.7100
		139		34		173		
01	532		256		0276		9724	0.7099
02	671	139	223	33	0448	172	9552	98
03	810	139	189	34	0621	173	9379	97
04	9.643949	139	156	33	0793	172	9207	96
05	9.644088	139	122	34	0966	173	9034	95
		139		33		172		
06	227		089		1138		8862	94
07	366	139	055	34	1311	173	8689	93
08	505	139	9.953022	33	1483	172	8517	92
09	644	139	9.952988	34	1655	172	8345	91
0.2910	782	138	955	33	1828	173	8172	0.7090
		139		34		172		
11	9.644921		921		2000		8000	89
12	9.645060	139	888	33	2172	172	7828	88
13	198	138	854	34	2344	172	7656	87
14	337	139	821	33	2516	172	7484	86
15	475	138	787	34	2688	172	7312	85
		139		34		172		
16	614		753		2860		7140	84
17	752	138	720	33	3032	172	6968	83
18	9.645890	138	686	34	3204	172	6796	82
19	9.646029	139	652	34	3376	172	6624	81
0.2920	167	138	619	33	3548	172	6452	0.7080
		138		34		172		
21	305		585		3720		6280	79
22	443	138	551	34	3892	172	6108	78
23	581	138	518	33	4063	171	5937	77
24	719	138	484	34	4235	172	5765	76
25	857	138	9.952450	34	9.694407	172	10.305593	75
		138		34		171		
26	9.646995		416		4578		5422	74
27	9.647132	137	383	33	4750	172	5250	73
28	270	138	349	34	4921	171	5079	72
29	408	138	315	34	5093	172	4907	71
0.2930	545	137	281	34	5264	171	4736	0.7070
		138		34		172		
31	683		247		5436		4564	69
32	821	138	213	34	5607	171	4393	68
33	9.647958	137	180	33	5778	171	4222	67
34	9.648095	137	146	34	5950	172	4050	66
35	233	138	112	34	6121	171	3879	65
		137		34		171		
36	370		078		6292		3708	64
37	507	137	044	34	6463	171	3537	63
38	645	138	9.952010	34	6635	172	3366	62
39	782	137	9.951976	34	6806	171	3195	61
0.2940	9.648919	137	942	34	6977	171	3023	0.7060
		137		34		171		
41	9.649056		908		7148		2852	59
42	193	137	874	34	7319	171	2682	58
43	330	137	840	34	7489	170	2511	57
44	467	137	806	34	7660	171	2340	56
45	603	136	772	34	7831	171	2169	55
		137		34		171		
46	740		738		8002		1998	54
47	9.649877	137	704	34	8173	171	1827	53
48	9.650014	137	670	34	8343	170	1657	52
49	150	136	636	34	8514	171	1486	51
0.2950	9.650287	137	9.951602	34	9.698685	171	10.301315	0.7050
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.2950	9.650287		9.951602		9.698685		10.301315	0.7050
51	423	136	568	34	8855	170	1145	49
52	560	137	534	34	9026	171	0974	48
53	696	136	500	34	9196	170	0804	47
54	832	136	466	34	9367	171	0633	46
55	9.650969	137	431	35	9537	170	0463	45
56	9.651105	136	397	34	9708	171	0292	44
57	241	136	363	34	9.699878	170	10.300122	43
58	377	136	329	34	9.700048	170	10.299952	42
59	513	136	295	34	0219	171	9781	41
0.2960	649	136	261	34	0389	170	9611	0.7040
61	785	136	226	35	0559	170	9441	39
62	9.651921	136	192	34	0729	170	9271	38
63	9.652057	136	158	34	0899	170	9101	37
64	193	136	124	34	1069	170	8931	36
65	329	135	089	35	1239	170	8761	35
66	464	136	055	34	1409	170	8591	34
67	600	136	9.951021	34	1579	170	8421	33
68	736	135	9.950986	35	1749	170	8251	32
69	9.652871	136	952	34	1919	170	8081	31
0.2970	9.653007	135	918	34	2089	170	7911	0.7030
71	142	135	883	35	2259	170	7741	29
72	277	136	849	34	2429	169	7571	28
73	413	135	815	34	2598	170	7402	27
74	548	135	780	35	2768	170	7232	26
75	683	135	9.950746	34	9.702938	169	10.297062	25
76	818	136	711	35	3107	170	6893	24
77	9.653954	135	677	34	3277	169	6723	23
78	9.654089	135	642	35	3446	170	6554	22
79	224	135	608	34	3616	169	6384	21
0.2980	359	135	573	35	3785	170	6215	0.7020
81	494	134	539	34	3955	169	6045	19
82	628	135	504	35	4124	169	5876	18
83	763	135	470	34	4293	170	5707	17
84	9.654898	135	435	35	4463	169	5537	16
85	9.655033	134	401	34	4632	169	5368	15
86	167	135	366	35	4801	169	5199	14
87	302	134	332	34	4970	169	5030	13
88	436	135	297	35	5139	169	4861	12
89	571	134	262	35	5308	170	4692	11
0.2990	705	135	228	34	5478	169	4523	0.7010
91	840	134	193	35	5647	169	4354	09
92	9.655974	134	159	34	5816	168	4185	08
93	9.656108	135	124	35	5984	169	4016	07
94	243	134	089	35	6153	169	3847	06
95	377	134	055	34	6322	169	3678	05
96	511	134	9.950020	35	6491	169	3509	04
97	645	134	9.949985	35	6660	169	3340	03
98	779	134	950	35	6829	169	3172	02
0.2999	9.656913	134	916	34	6997	168	3003	01
0.3000	9.657047		9.949881	35	9.707166	169	10.292834	0.7000
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin..	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3000	9.657047		9.949881		9.707166		10.292834	0.7000
		134		35		169		
01	181		846		7335		2666	0.6999
		133		35		168		
02	314		811		7503		2497	98
		134		34		169		
03	448		777		7672		2328	97
		134		35		168		
04	582		742		7840		2160	96
		134		35		169		
05	716		707		8009		1991	95
		133		35		168		
06	849		672		8177		1823	94
		134		35		169		
07	9.657983		637		8346		1655	93
		133		35		168		
08	9.658116		602		8514		1486	92
		134		34		168		
09	250		568		8682		1318	91
		133		35		168		
0.3010	383		533		8850		1150	0.6990
		133		35		169		
11	516		498		9019		0981	89
		134		35		168		
12	650		463		9187		0813	88
		133		35		168		
13	783		428		9355		0645	87
		133		35		168		
14	9.658916		393		9523		0477	86
		133		35		168		
15	9.659049		358		9691		0309	85
		133		35		168		
16	182		323		9.709859		10.290141	84
		133		35		168		
17	315		288		9.710027		10.289973	83
		133		35		168		
18	448		253		0195		9805	82
		133		35		168		
19	581		218		0363		9637	81
		133		35		168		
0.3020	714		183		0531		9469	0.6980
		133		35		168		
21	847		148		0699		9301	79
		133		35		168		
22	9.659980		113		0867		9133	78
		133		35		168		
23	9.660113		078		1035		8965	77
		132		35		167		
24	245		043		1202		8798	76
		133		35		168		
25	378		9.949008		9.711370		10.288630	75
		132		35		168		
26	510		9.948973		1538		8462	74
		133		35		167		
27	643		938		1705		8295	73
		132		36		168		
28	775		902		1873		8127	72
		133		35		168		
29	9.660908		867		2041		7959	71
		132		35		167		
0.3030	9.661040		832		2208		7792	0.6970
		132		35		168		
31	172		797		2376		7624	69
		133		35		167		
32	305		762		2543		7457	68
		132		35		167		
33	437		727		2710		7290	67
		132		36		168		
34	569		691		2878		7122	66
		132		35		167		
35	701		656		3045		6955	65
		132		35		168		
36	833		621		3213		6788	64
		132		35		167		
37	9.661965		586		3380		6620	63
		132		36		167		
38	9.662097		550		3547		6453	62
		132		35		167		
39	229		515		3714		6286	61
		132		35		167		
0.3040	361		480		3881		6119	0.6960
		132		36		167		
41	493		444		4048		5952	59
		132		35		168		
42	625		409		4216		5785	58
		131		35		167		
43	756		374		4383		5618	57
		132		36		167		
44	9.662888		338		4550		5451	56
		132		35		167		
45	9.663020		303		4717		5284	55
		131		35		166		
46	151		268		4883		5117	54
		132		36		167		
47	283		232		5050		4950	53
		131		35		167		
48	414		197		5217		4783	52
		131		36		167		
49	545		161		5384		4616	51
		132		35		167		
0.3050	9.663677		9.948126		9.715551		10.284449	0.6950
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.305.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3050	9.663677		9.948126		9.715551		10.284449	0.6950
		131		35		167		
51	808		091		5718		4283	49
52	9.663939	131	055	36	5884	166	4116	48
53	9.664071	132	9.948020	35	6051	167	3949	47
54	202	131	9.947984	36	6218	167	3783	46
55	333	131	949	35	6384	166	3616	45
		131		36		167		
56	464		913		6551		3449	44
57	595	131	878	35	6717	166	3283	43
58	726	131	842	36	6884	167	3116	42
59	857	131	807	35	7050	166	2950	41
0.3060	9.664988	131	771	36	7217	167	2783	0.6940
		130		36		166		
61	9.665118		735		7383		2617	39
62	249	131	700	35	7549	166	2451	38
63	380	131	664	36	7716	167	2284	37
64	510	130	629	35	7882	166	2118	36
65	641	131	593	36	8048	166	1952	35
		131		36		166		
66	772		557		8214		1786	34
67	9.665902	130	522	35	8381	167	1620	33
68	9.666033	131	486	36	8547	166	1453	32
69	163	130	450	36	8713	166	1287	31
0.3070	293	130	415	35	8879	166	1121	0.6930
		131		36		166		
71	424		379		9045		0955	29
72	554	130	343	36	9211	166	0789	28
73	684	130	307	36	9377	166	0623	27
74	814	130	272	35	9543	166	0457	26
75	9.666944	130	9.947236	36	9708	165	0292	25
		130		36		166		
76	9.667074		200		9.719874		10.280126	24
77	204	130	164	36	9.720040	166	10.279960	23
78	334	130	128	36	0206	166	9794	22
79	464	130	093	35	0372	166	9628	21
0.3080	594	130	057	36	0537	165	9463	0.6920
		130		36		166		
81	724		9.947021		0703		9297	19
82	854	130	9.946985	36	0869	166	9132	18
83	9.667983	129	949	36	1034	165	8966	17
84	9.668113	130	913	36	1200	166	8800	16
85	243	130	877	36	1365	165	8635	15
		129		36		166		
86	372		841		1531		8469	14
87	502	130	806	35	1696	165	8304	13
88	631	129	770	36	1862	166	8139	12
89	761	130	734	36	2027	165	7973	11
0.3090	9.668890	129	698	36	2192	165	7808	0.6910
		129		36		166		
91	9.669019		662		2358		7643	09
92	148	129	626	36	2523	165	7477	08
93	278	130	590	36	2688	165	7312	07
94	407	129	554	36	2853	165	7147	06
95	536	129	518	36	3018	165	6982	05
		129		36		166		
96	665		482		3184		6817	04
97	794	129	445	37	3349	165	6651	03
98	9.669923	129	409	36	3514	165	6486	02
0.3099	9.670052	129	373	36	3679	165	6321	01
0.3100	9.670181	129	9.946337	36	9.723844	165	10.276156	0.6900
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.690.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3100	9.670181	128	9.946337	36	9.723844	165	10.276156	0.6900
01	309	129	301	36	4009	165	5991	0.6899
02	438	129	265	36	4174	164	5827	98
03	567	129	229	36	4338	165	5662	97
04	696	128	193	37	4503	165	5497	96
05	824	129	156	36	4668	165	5332	95
06	9.670953	128	120	36	4833	165	5167	94
07	9.671081	129	084	36	4998	164	5003	93
08	210	128	048	36	5162	165	4838	92
09	338	129	9.946012	37	5327	165	4673	91
0.3110	467	128	9.945975	36	5492	164	4509	0.6890
11	595	128	939	36	5656	165	4344	89
12	723	129	903	37	5821	164	4179	88
13	852	128	866	36	5985	165	4015	87
14	9.671980	128	830	36	6150	164	3850	86
15	9.672108	128	794	37	6314	165	3686	85
16	236	128	757	36	6479	164	3522	84
17	364	128	721	36	6643	164	3357	83
18	492	128	685	37	6807	165	3193	82
19	620	128	648	36	6972	164	3028	81
0.3120	748	128	612	36	7136	164	2864	0.6880
21	9.672876	128	576	37	7300	164	2700	79
22	9.673004	127	539	36	7464	165	2536	78
23	131	128	503	37	7629	164	2372	77
24	259	128	466	36	7793	164	2207	76
25	387	127	9.945430	37	9.727957	164	10.272043	75
26	514	128	393	36	8121	164	1879	74
27	642	127	357	37	8285	164	1715	73
28	769	128	320	36	8449	164	1551	72
29	9.673897	127	284	37	8613	164	1387	71
0.3130	9.674024	128	247	36	8777	164	1223	0.6870
31	152	127	211	37	8941	164	1059	69
32	279	127	174	36	9105	163	0895	68
33	406	127	138	37	9268	164	0732	67
34	533	127	101	36	9432	164	0568	66
35	660	128	065	37	9596	164	0404	65
36	788	127	9.945028	37	9760	163	0240	64
37	9.674915	127	9.944991	36	9.729923	164	10.270077	63
38	9.675042	127	955	37	9.730087	164	10.269913	62
39	169	127	918	37	0251	163	9749	61
0.3140	296	127	881	36	0414	164	9586	0.6860
41	423	126	845	37	0578	163	9422	59
42	549	127	808	37	0741	164	9259	58
43	676	127	771	36	0905	163	9095	57
44	803	127	735	37	1068	164	8932	56
45	9.675930	126	698	37	1232	163	8768	55
46	9.676056	127	661	37	1395	164	8605	54
47	183	126	624	36	1559	163	8442	53
48	309	127	588	37	1722	163	8278	52
49	436	126	551	37	1885	163	8115	51
0.3150	9.676562		9.944514		9.732048		10.267952	0.6850
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3150	9.676662		9.944514		9.732048		10.267952	0.6850
		127		37		164		
51	689	126	477	37	2212	163	7788	49
52	815	126	440	37	2375	163	7625	48
53	9.676941	127	403	36	2538	163	7462	47
54	9.677068	126	367	37	2701	163	7299	46
55	194	126	330	37	2864	163	7136	45
		126		37		163		
56	320	126	293	37	3027	163	6973	44
57	446	126	256	37	3190	163	6810	43
58	572	126	219	37	3353	163	6647	42
59	698	126	182	37	3516	163	6484	41
0.3160	824	126	145	37	3679	163	6321	0.6840
		126		37		163		
61	9.677950	126	108	37	3842	163	6158	39
62	9.678076	126	071	37	4005	163	5995	38
63	202	126	9.944034	37	4168	163	5832	37
64	328	125	9.943997	37	4331	162	5670	36
65	453	126	960	37	4493	163	5507	35
66	579	126	923	37	4656	163	5344	34
67	705	125	886	37	4819	162	5181	33
68	830	126	849	37	4981	163	5019	32
69	9.678956	126	812	37	5144	163	4856	31
0.3170	9.679082	125	775	37	5307	162	4694	0.6830
71	207	125	738	37	5469	163	4531	29
72	332	126	701	37	5632	162	4368	28
73	458	125	664	37	5794	163	4206	27
74	583	125	627	38	5957	162	4044	26
75	708	126	9.943589	37	9.736119	162	10.263881	25
76	834	125	552	37	6281	163	3719	24
77	9.679959	125	515	37	6444	162	3556	23
78	9.680084	125	478	37	6606	162	3394	22
79	209	125	441	38	6768	163	3232	21
0.3180	334	125	403	37	6931	162	3069	0.6820
81	459	125	366	37	7093	162	2907	19
82	584	125	329	37	7255	162	2745	18
83	709	125	292	38	7417	162	2583	17
84	834	125	254	37	7579	162	2421	16
85	9.680959	124	217	37	7741	162	2259	15
86	9.681083	125	180	37	7903	163	2097	14
87	208	125	143	38	8066	162	1935	13
88	333	124	105	37	8228	161	1773	12
89	457	125	068	37	8389	162	1611	11
0.3190	582	124	9.943031	38	8551	162	1449	0.6810
91	706	125	9.942993	37	8713	162	1287	09
92	831	124	956	38	8875	162	1125	08
93	9.681955	125	918	37	9037	162	0963	07
94	9.682080	124	881	37	9199	162	0801	06
95	204	124	844	38	9361	161	0640	05
96	328	125	806	37	9522	162	0478	04
97	453	124	769	38	9684	162	0316	03
98	577	124	731	37	9.739846	161	10.260154	02
0.3199	701	124	694	38	9.740007	162	10.259993	01
0.3200	9.682825		9.942656		9.740169		10.259831	0.6800
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3200	9.682825	124	9.942656	37	9.740169	162	10.259831	0.6800
01	9.682949	124	619	38	0331	161	9670	0.6799
02	9.683073	124	581	37	0492	162	9508	98
03	197	124	544	38	0654	161	9347	97
04	321	124	506	38	0815	162	9185	96
05	445	124	468	37	0977	161	9024	95
06	569	124	431	38	1138	161	8862	94
07	693	123	393	37	1299	162	8701	93
08	816	124	356	38	1461	161	8539	92
09	9.683940	124	318	38	1622	161	8378	91
0.3210	9.684064	123	280	37	1783	162	8217	0.6790
11	187	124	243	38	1945	161	8056	89
12	311	123	205	38	2106	161	7894	88
13	434	124	167	37	2267	161	7733	87
14	558	123	130	38	2428	161	7572	86
15	681	124	092	38	2589	161	7411	85
16	805	123	054	37	2750	161	7250	84
17	9.684928	123	9.942017	38	2911	161	7089	83
18	9.685051	123	9.941979	38	3072	161	6928	82
19	174	124	941	38	3233	161	6767	81
0.3220	298	123	903	37	3394	161	6606	0.6780
21	421	123	866	38	3555	161	6445	79
22	544	123	828	38	3716	161	6284	78
23	667	123	790	38	3877	161	6123	77
24	790	123	752	38	4038	161	5962	76
25	9.685913	123	9.941714	38	9.744199	161	10.255801	75
26	9.686036	123	676	38	4360	160	5641	74
27	159	123	638	37	4520	161	5480	73
28	282	122	601	38	4681	161	5319	72
29	404	123	563	38	4842	160	5158	71
0.3230	527	123	525	38	5002	161	4998	0.6770
31	650	122	487	38	5163	161	4837	69
32	772	123	449	38	5324	160	4676	68
33	9.686895	123	411	38	5484	161	4516	67
34	9.687018	122	373	38	5645	160	4355	66
35	140	123	335	38	5805	161	4195	65
36	263	122	297	38	5966	160	4034	64
37	385	122	259	38	6126	161	3874	63
38	507	123	221	38	6287	160	3714	62
39	630	122	183	38	6447	160	3553	61
0.3240	752	122	145	38	6607	161	3393	0.6760
41	874	122	107	38	6768	160	3233	59
42	9.687996	123	069	38	6928	160	3072	58
43	9.688119	122	9.941031	39	7088	160	2912	57
44	241	122	9.940992	38	7248	160	2752	56
45	363	122	954	38	7408	161	2592	55
46	485	122	916	38	7569	160	2431	54
47	607	122	878	38	7729	160	2271	53
48	729	122	840	38	7889	160	2111	52
49	851	121	802	39	8049	160	1951	51
0.3250	9.688972		9.940763		9.748209		10.251791	0.6750
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3250	9.688972		9.940763		9.748209		10.251791	0.6750
		122		38		160		
51	9.689094	122	725	38	8369	160	1631	49
52	216	122	687	38	8529	160	1471	48
53	338	122	649	38	8689	160	1311	47
54	459	121	611	38	8849	160	1151	46
55	581	122	572	39	9009	160	0991	45
		121		38		159		
56	702	122	534	38	9168	160	0832	44
57	824	121	496	39	9328	160	0672	43
58	9.689945	122	457	38	9488	160	0512	42
59	9.690067	121	419	38	9648	160	0352	41
0.3260	188	122	381	39	9808	159	0193	0.6740
61	310	121	342	38	9.749967	160	10.250033	39
62	431	121	304	38	9.750127	160	10.249873	38
63	552	121	266	39	0287	159	9714	37
64	673	122	227	38	0446	160	9554	36
65	795	121	189	39	0606	159	9394	35
66	9.690916	121	150	38	0765	160	9235	34
67	9.691037	121	112	38	0925	159	9075	33
68	158	121	074	39	1084	160	8916	32
69	279	121	9.940035	38	1244	159	8756	31
0.3270	400	121	9.939997	39	1403	160	8597	0.6730
71	521	120	958	38	1563	159	8438	29
72	641	121	920	39	1722	159	8278	28
73	762	121	881	38	1881	160	8119	27
74	9.691883	121	843	39	2041	159	7960	26
75	9.692004	120	804	39	9.752200	159	10.247800	25
76	124	121	765	38	2359	159	7641	24
77	245	121	727	39	2518	159	7482	23
78	366	120	688	38	2677	160	7323	22
79	486	121	650	39	2837	159	7163	21
0.3280	607	120	611	39	2996	159	7004	0.6720
81	727	121	572	38	3155	159	6845	19
82	848	120	534	39	3314	159	6686	18
83	9.692968	120	495	39	3473	159	6527	17
84	9.693088	121	456	38	3632	159	6368	16
85	209	120	418	39	3791	159	6209	15
86	329	120	379	39	3950	159	6050	14
87	449	120	340	38	4109	159	5891	13
88	569	120	302	39	4268	158	5732	12
89	689	120	263	39	4426	159	5574	11
0.3290	809	120	224	39	4585	159	5415	0.6710
91	9.693929	120	185	39	4744	159	5256	09
92	9.694049	120	146	38	4903	159	5097	08
93	169	120	108	39	5062	158	4939	07
94	289	120	069	39	5220	159	4780	06
95	409	120	9.939030	39	5379	159	4621	05
96	529	119	9.938991	39	5538	158	4462	04
97	648	120	952	39	5696	159	4304	03
98	768	120	913	38	5855	158	4145	02
0.3299	9.694888	119	875	39	6013	159	3987	01
0.3300	9.695007		9.938836		9.756172		10.243828	0.6700
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Google

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3300	9.695007		9.938836		9.756172		10.243828	0.6700
		120		39		158		
01	127		797		6330		3670	0.6699
02	247	120	758	39	6489	159	3511	98
03	366	119	719	39	6647	158	3353	97
04	486	120	680	39	6806	159	3194	96
05	605	119	641	39	6964	158	3036	95
		119		39		158		
06	724		602		7122		2878	94
07	844	120	563	39	7281	159	2719	93
08	9.695963	119	524	39	7439	158	2561	92
09	9.696082	119	485	39	7597	158	2403	91
0.3310	201	119	446	39	7756	159	2245	0.6690
		119		39		158		
11	320		407		7914		2086	89
12	440	120	368	39	8072	158	1928	88
13	559	119	329	39	8230	158	1770	87
14	678	119	289	40	8388	158	1612	86
15	797	119	250	39	8546	158	1454	85
		119		39		158		
16	9.696916		211		8704		1296	84
17	9.697034	118	172	39	8862	158	1138	83
18	153	119	133	39	9020	158	0980	82
19	272	119	094	39	9178	158	0822	81
0.3320	391	119	055	39	9336	158	0664	0.6680
		118		40		158		
21	509		9.938015		9494		0506	79
22	628	119	9.937976	39	9652	158	0348	78
23	747	119	937	39	9810	158	0190	77
24	865	118	898	39	9.759968	158	10.240032	76
25	9.697984	119	858	40	9.760126	158	10.239875	75
		118		39		157		
26	9.698102		819		0283		9717	74
27	221	119	780	39	0441	158	9559	73
28	339	118	741	39	0599	158	9401	72
29	458	119	701	40	0756	157	9244	71
0.3330	576	118	662	39	0914	158	9086	0.6670
		118		39		158		
31	694		623		1072		8928	69
32	812	118	583	40	1229	157	8771	68
33	9.698931	119	544	39	1387	158	8613	67
34	9.699049	118	504	40	1544	157	8456	66
35	167	118	465	39	1702	158	8298	65
		118		39		157		
36	285		426		1859		8141	64
37	403	118	386	40	2017	158	7983	63
38	521	118	347	39	2174	157	7826	62
39	639	118	307	40	2332	158	7668	61
0.3340	757	118	268	39	2489	157	7511	0.6660
		118		40		157		
41	875		228		2646		7354	59
42	9.699992	117	189	39	2804	158	7196	58
43	9.700110	118	149	40	2961	157	7039	57
44	228	118	110	39	3118	157	6882	56
45	346	118	070	40	3276	158	6725	55
		117		39		157		
46	463		9.937031		3433		6567	54
47	581	118	9.936991	40	3590	157	6410	53
48	698	117	951	40	3747	157	6253	52
49	816	118	912	39	3904	157	6096	51
0.3350	9.700933	117	9.936872	40	9.764061	157	10.235939	0.6650
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3350	9.700933		9.936872		9.764061		10.235939	0.6650
51	9.701051	118	833	39	4218	157	5782	49
52	168	117	793	40	4375	157	5625	48
53	286	118	753	40	4532	157	5468	47
54	403	117	714	39	4689	157	5311	46
55	520	117	674	40	4846	157	5154	45
56	637	117	634	40	5003	157	4997	44
57	755	118	595	39	5160	157	4840	43
58	872	117	555	40	5317	157	4683	42
59	9.701989	117	515	40	5474	157	4526	41
0.3360	9.702106	117	475	40	5631	156	4370	0.6640
61	223	117	436	39	5787	157	4213	39
62	340	117	396	40	5944	157	4056	38
63	457	117	356	40	6101	156	3899	37
64	574	117	316	40	6257	157	3743	36
65	690	116	276	40	6414	157	3586	35
66	807	117	236	40	6571	157	3429	34
67	9.702924	117	197	39	6727	156	3273	33
68	9.703041	117	157	40	6884	157	3116	32
69	157	116	117	40	7041	157	2960	31
0.3370	274	117	077	40	7197	156	2803	0.6630
71	390	116	9.936037	40	7354	157	2647	29
72	507	117	9.935997	40	7510	156	2490	28
73	624	117	957	40	7666	156	2334	27
74	740	116	917	40	7823	157	2177	26
75	856	116	877	40	9.767979	156	10.232021	25
76	9.703973	117	837	40	8136	157	1864	24
77	9.704089	116	797	40	8292	156	1708	23
78	205	116	757	40	8448	156	1552	22
79	322	117	717	40	8605	157	1396	21
0.3380	438	116	677	40	8761	156	1239	0.6620
81	554	116	637	40	8917	156	1083	19
82	670	116	597	40	9073	156	0927	18
83	786	116	557	40	9229	157	0771	17
84	9.704902	116	517	40	9386	156	0615	16
85	9.705018	116	477	40	9542	156	0458	15
86	134	116	436	41	9698	156	0302	14
87	250	116	396	40	9.769854	156	10.230146	13
88	366	116	356	40	9.770010	156	10.229990	12
89	482	116	316	40	0166	156	9834	11
0.3390	598	116	276	40	0322	156	9678	0.6610
91	713	115	236	40	0478	156	9522	09
92	829	116	195	41	0634	156	9366	08
93	9.705945	116	155	40	0790	156	9210	07
94	9.706060	115	115	40	0945	155	9055	06
95	176	116	075	40	1101	156	8899	05
96	291	115	9.935034	41	1257	156	8743	04
97	407	116	9.934994	40	1413	156	8587	03
98	522	115	954	40	1569	156	8431	02
0.3399	638	116	913	41	1724	155	8276	01
0.3400	9.706753	115	9.934873	40	9.771880	156	10.228120	0.6600
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 340.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3400	9.706753	115	9.934873	40	9.771880	156	10.228120	0.6600
01	868	115	833	41	2036	155	7964	0.6599
02	9.706984	115	792	40	2191	156	7809	98
03	9.707099	115	752	40	2347	156	7653	97
04	214	115	712	41	2503	155	7497	96
05	329	115	671	40	2658	156	7342	95
06	445	115	631	41	2814	155	7186	94
07	560	115	590	40	2969	156	7031	93
08	675	115	550	41	3125	155	6875	92
09	790	115	509	40	3280	156	6720	91
0.3410	9.707905	115	469	41	3436	155	6564	0.6590
11	9.708020	115	428	40	3591	156	6409	89
12	134	115	388	41	3747	155	6254	88
13	249	115	347	40	3902	155	6098	87
14	364	115	307	41	4057	156	5943	86
15	479	115	266	40	4213	155	5788	85
16	594	115	226	41	4368	155	5632	84
17	708	115	185	40	4523	155	5477	83
18	823	115	145	41	4678	156	5322	82
19	9.708937	115	104	41	4834	155	5167	81
0.3420	9.709052	115	063	40	4989	155	5011	0.6580
21	166	115	9.934023	41	5144	155	4856	79
22	281	114	9.933982	41	5299	155	4701	78
23	395	114	941	40	5454	155	4546	77
24	510	114	901	41	5609	155	4391	76
25	624	114	860	41	9.775764	155	10.224236	75
26	738	114	819	41	5919	155	4081	74
27	853	114	778	40	6074	155	3926	73
28	9.709967	114	738	41	6229	155	3771	72
29	9.710081	114	697	41	6384	155	3616	71
0.3430	195	114	656	41	6539	155	3461	0.6570
31	309	114	615	40	6694	155	3306	69
32	423	114	575	41	6849	155	3151	68
33	537	114	534	41	7004	154	2996	67
34	651	114	493	41	7158	155	2842	66
35	765	114	452	41	7313	155	2687	65
36	879	113	411	41	7468	155	2532	64
37	9.710993	113	370	40	7623	154	2377	63
38	9.711107	113	330	41	7777	155	2223	62
39	221	113	289	41	7932	155	2068	61
0.3440	334	113	248	41	8087	154	1913	0.6560
41	448	113	207	41	8241	155	1759	59
42	562	113	166	41	8396	155	1604	58
43	675	113	125	41	8551	154	1450	57
44	789	113	084	41	8705	155	1295	56
45	9.711902	113	043	41	8860	154	1140	55
46	9.712016	113	9.933002	41	9014	155	0986	54
47	129	113	9.932961	41	9169	154	0831	53
48	243	113	920	41	9323	154	0677	52
49	356	113	879	41	9477	155	0523	51
0.3450	9.712470	113	9.932838	41	9.779632	155	10.220368	0.6550
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 655.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3450	9.712470	113	9.932838	41	9.779632	154	10.220368	0.6550
51	583	113	797	41	9786	155	0214	49
52	696	113	756	42	9.779941	154	10.220060	48
53	809	113	714	41	9.780095	154	10.219905	47
54	9.712922	114	673	41	0249	154	9751	46
55	9.713036	113	632	41	0403	155	9597	45
56	149	113	591	41	0558	154	9442	44
57	262	113	550	41	0712	154	9288	43
58	375	113	509	42	0866	154	9134	42
59	488	113	467	41	1020	154	8980	41
0.3460	601	113	426	41	1174	155	8826	0.6540
61	714	112	385	41	1329	154	8672	39
62	826	113	344	41	1483	154	8517	38
63	9.713939	113	303	42	1637	154	8363	37
64	9.714052	113	261	41	1791	154	8209	36
65	165	112	220	41	1945	154	8055	35
66	277	113	179	42	2099	154	7901	34
67	390	113	137	41	2253	154	7747	33
68	503	112	096	41	2407	154	7593	32
69	615	113	055	42	2561	153	7440	31
0.3470	728	112	9.932013	41	2714	154	7286	0.6530
71	840	113	9.931972	41	2868	154	7132	29
72	9.714953	112	931	42	3022	154	6978	28
73	9.715065	112	889	41	3176	154	6824	27
74	177	113	848	42	3330	153	6670	26
75	290	112	806	41	9.783483	154	10.216517	25
76	402	112	765	42	3637	154	6363	24
77	514	113	723	41	3791	154	6209	23
78	627	112	682	42	3945	153	6056	22
79	739	112	640	41	4098	154	5902	21
0.3480	851	112	599	42	4252	153	5748	0.6520
81	9.715963	112	557	41	4405	154	5595	19
82	9.716075	112	516	42	4559	154	5441	18
83	187	112	474	41	4713	153	5287	17
84	299	112	433	42	4866	154	5134	16
85	411	112	391	41	5020	153	4980	15
86	523	112	350	42	5173	154	4827	14
87	635	111	308	42	5327	153	4673	13
88	746	112	266	41	5480	153	4520	12
89	858	112	225	42	5633	154	4367	11
0.3490	9.716970	112	183	42	5787	153	4213	0.6510
91	9.717082	111	141	41	5940	154	4060	09
92	193	112	100	42	6094	153	3907	08
93	305	112	058	42	6247	153	3753	07
94	417	111	9.931016	41	6400	153	3600	06
95	528	112	9.930975	42	6553	154	3447	05
96	640	111	933	42	6707	153	3293	04
97	751	111	891	42	6860	153	3140	03
98	862	112	849	41	7013	153	2987	02
0.3499	9.717974	111	808	42	7166	153	2834	01
0.3500	9.718085		9.930766		9.787319		10.212681	0.6500
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3500	9.718085		9.930766		9.787319		10.212681	0.6500
		111		42		153		
01	196		724	42	7472		2528	0.6499
02	308	112	682	42	7626	154	2375	98
03	419	111	640	42	7779	153	2221	97
04	530	111	599	41	7932	153	2068	96
05	641	111	557	42	8085	153	1915	95
		111		42		153		
06	752		515		8238		1762	94
07	863	111	473	42	8391	153	1609	93
08	9.718974	111	431	42	8544	153	1456	92
09	9.719085	111	389	42	8697	153	1304	91
0.3510	196	111	347	42	8849	152	1151	0.6490
		111		42		153		
11	307		305		9002		0998	89
12	418	111	263	42	9155	153	0845	88
13	529	111	221	42	9308	153	0692	87
14	640	111	179	42	9461	153	0539	86
15	751	111	137	42	9614	153	0387	85
		110		42		152		
16	861		095		9766		0234	84
17	9.719972	111	053	42	9.789919	153	10.210081	83
18	9.720083	111	9.930011	42	9.790072	153	10.209928	82
19	193	110	9.929969	42	0224	152	9776	81
0.3520	304	111	927	42	0377	153	9623	0.6480
		110		42		153		
21	414		885		0530		9470	79
22	525	111	843	42	0682	152	9318	78
23	635	110	800	43	0835	153	9165	77
24	746	111	758	42	0987	152	9013	76
25	856	110	9.929716	42	9.791140	153	10.208860	75
		110		42		152		
26	9.720966		674		1292		8708	74
27	9.721077	111	632	42	1445	153	8555	73
28	187	110	590	42	1597	152	8403	72
29	297	110	547	43	1750	153	8250	71
0.3530	407	110	505	42	1902	152	8098	0.6470
		110		42		153		
31	517		463		2055		7945	69
32	628	111	421	42	2207	152	7793	68
33	738	110	378	43	2359	152	7641	67
34	848	110	336	42	2512	153	7488	66
35	9.721958	110	294	42	2664	152	7336	65
		109		43		152		
36	9.722067		251		2816		7184	64
37	177	110	209	42	2968	152	7032	63
38	287	110	167	42	3121	153	6879	62
39	397	110	124	43	3273	152	6727	61
0.3540	507	110	082	42	3425	152	6575	0.6460
		110		43		152		
41	617		9.929039		3577		6423	59
42	726	109	9.928997	42	3729	152	6271	58
43	836	110	955	42	3881	152	6119	57
44	9.722946	110	912	43	4034	153	5967	56
45	9.723055	109	870	42	4186	152	5814	55
		110		43		152		
46	165		827		4338		5662	54
47	274	109	785	42	4490	152	5510	53
48	384	110	742	43	4642	152	5358	52
49	493	109	700	42	4794	152	5206	51
0.3550	9.723602	109	9.928657	43	9.794946	152	10.205055	0.6450
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3550	9.723603		9.928657		9.794946		10.205055	0.6450
51	712	109	615	42	5097	151	4903	49
52	822	110	572	43	5249	152	4751	48
53	9.723931	109	529	43	5401	152	4599	47
54	9.724040	109	487	42	5553	152	4447	46
55	149	109	444	43	5705	152	4295	45
56	258	109	402	42	5857	152	4143	44
57	367	109	359	43	6009	152	3992	43
58	477	110	316	43	6160	151	3840	42
59	586	109	273	43	6312	152	3688	41
0.3560	695	109	231	42	6464	152	3536	0.6440
61	804	109	188	43	6615	151	3385	39
62	9.724913	108	146	42	6767	152	3233	38
63	9.725021	109	103	43	6919	152	3081	37
64	130	109	060	43	7070	151	2930	36
65	239	109	9.928017	43	7222	152	2778	35
66	348	109	9.927974	42	7373	151	2627	34
67	457	108	932	43	7525	152	2475	33
68	565	109	889	43	7677	152	2324	32
69	674	109	846	43	7828	151	2172	31
0.3570	783	109	803	43	7980	152	2021	0.6430
71	891	108	760	43	8131	151	1869	29
72	9.726000	109	718	42	8282	151	1718	28
73	9.726108	108	675	43	8434	152	1566	27
74	217	109	632	43	8585	151	1415	26
75	325	108	9.927589	43	9.798737	152	10.201264	25
76	434	109	546	43	8888	151	1112	24
77	542	108	503	43	9039	151	0961	23
78	651	109	460	43	9191	152	0810	22
79	759	108	417	43	9342	151	0658	21
0.3580	867	108	374	43	9493	151	0507	0.6420
81	9.726975	108	331	43	9644	151	0356	19
82	9.727083	108	288	43	9795	151	0205	18
83	192	109	245	43	9.799947	152	10.200053	17
84	300	108	202	43	9.800098	151	10.199902	16
85	408	108	159	43	0249	151	9751	15
86	516	108	116	43	0400	151	9600	14
87	624	108	073	43	0551	151	9449	13
88	732	108	9.927030	43	0702	151	9298	12
89	840	108	9.926987	44	0853	151	9147	11
0.3590	9.727948	108	943	43	1004	151	8996	0.6410
91	9.728056	107	900	43	1155	151	8845	09
92	163	108	857	43	1306	151	8694	08
93	271	108	814	43	1457	151	8543	07
94	379	108	771	44	1608	151	8392	06
95	487	107	727	43	1759	151	8241	05
96	594	108	684	43	1910	151	8090	04
97	702	107	641	43	2061	151	7939	03
98	809	108	598	43	2212	151	7788	02
0.3599	9.728917	107	554	43	2363	150	7638	01
0.3600	9.729024		9.926511		9.802513		10.197487	0.6400
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3600	9.729024		9.926511		9.802513		10.197487	0.6400
01	132	108	468	43	2664	151	7336	0.6399
02	239	107	425	43	2815	151	7185	98
03	347	108	381	44	2966	151	7035	97
04	454	107	338	43	3116	150	6884	96
05	561	107	295	43	3267	151	6733	95
06	669	108	251	44	3418	151	6582	94
07	776	107	208	43	3568	150	6432	93
08	883	107	164	44	3719	151	6281	92
09	9.729990	107	121	43	3870	151	6131	91
0.3610	9.730098	108	078	43	4020	150	5980	0.6390
11	205	107	9.926034	44	4171	151	5829	89
12	312	107	9.925991	43	4321	150	5679	88
13	419	107	947	44	4472	151	5528	87
14	526	107	904	43	4622	150	5378	86
15	633	107	860	44	4773	151	5227	85
16	740	107	817	43	4923	150	5077	84
17	847	107	773	44	5074	151	4927	83
18	9.730953	106	729	44	5224	150	4776	82
19	9.731060	107	686	43	5374	150	4626	81
0.3620	167	107	642	44	5525	151	4475	0.6380
21	274	107	599	43	5675	150	4325	79
22	380	106	555	44	5825	150	4175	78
23	487	107	511	44	5976	151	4024	77
24	594	107	468	43	6126	150	3874	76
25	700	106	9.925424	44	9.806276	150	10.193724	75
26	807	107	380	44	6426	150	3574	74
27	9.731913	106	337	43	6577	151	3424	73
28	9.732020	107	293	44	6727	150	3273	72
29	126	106	249	44	6877	150	3123	71
0.3630	233	107	206	43	7027	150	2973	0.6370
31	339	106	162	44	7177	150	2823	69
32	445	106	118	44	7327	150	2673	68
33	552	107	074	44	7477	150	2523	67
34	658	106	9.925031	43	7627	150	2373	66
35	764	106	9.924987	44	7777	150	2223	65
36	870	106	943	44	7927	150	2073	64
37	9.732976	106	899	44	8077	150	1923	63
38	9.733083	107	855	44	8227	150	1773	62
39	189	106	811	44	8377	150	1623	61
0.3640	295	106	767	44	8527	150	1473	0.6360
41	401	106	724	43	8677	150	1323	59
42	507	106	680	44	8827	150	1173	58
43	613	106	636	44	8977	150	1023	57
44	718	105	592	44	9127	150	0873	56
45	824	106	548	44	9277	150	0724	55
46	9.733930	106	504	44	9426	149	0574	54
47	9.734036	106	460	44	9576	150	0424	53
48	142	105	416	44	9726	150	0274	52
49	247	106	372	44	9.809876	150	10.190124	51
0.3650	9.734353		9.924328	44	9.810025	149	10.189975	0.6350
Arc.	Log. Cosin.	Dif.	Log. Sin	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3650	9.734353	106	9.924328	44	9.810025	150	10.189975	0.6350
51	459	105	284	44	0175	150	9825	49
52	564	106	240	45	0325	149	9675	48
53	670	105	195	44	0474	150	9526	47
54	775	106	151	44	0624	150	9376	46
55	881	105	107	44	0774	149	9227	45
56	9.734986	106	063	44	0923	150	9077	44
57	9.735092	105	9.924019	44	1073	149	8927	43
58	197	105	9.923975	44	1222	150	8778	42
59	302	106	931	45	1372	149	8628	41
0.3660	408	105	886	44	1521	150	8479	0.6340
61	513	105	842	44	1671	149	8329	39
62	618	105	798	44	1820	150	8180	38
63	723	106	754	44	1970	149	8030	37
64	829	105	710	45	2119	149	7881	36
65	9.735934	105	665	44	2268	150	7732	35
66	9.736039	105	621	44	2418	149	7582	34
67	144	105	577	45	2567	150	7433	33
68	249	105	532	44	2717	149	7284	32
69	354	105	488	44	2866	149	7134	31
0.3670	459	105	444	45	3015	149	6985	0.6330
71	564	105	399	44	3164	150	6836	29
72	669	104	355	44	3314	149	6686	28
73	773	105	311	45	3463	149	6537	27
74	878	105	266	44	3612	149	6388	26
75	9.736983	105	222	45	9.813761	149	10.186239	25
76	9.737088	104	177	44	3910	150	6090	24
77	192	105	133	45	4060	149	5941	23
78	297	105	088	44	4209	149	5791	22
79	402	104	9.923044	45	4358	149	5642	21
0.3680	506	105	9.922999	44	4507	149	5493	0.6320
81	611	104	955	45	4656	149	5344	19
82	715	105	910	44	4805	149	5195	18
83	820	104	866	45	4954	149	5046	17
84	9.737924	105	821	44	5103	149	4897	16
85	9.738029	104	777	45	5252	149	4748	15
86	133	104	732	45	5401	149	4599	14
87	237	105	687	44	5550	149	4450	13
88	342	104	643	45	5699	149	4301	12
89	446	104	598	44	5848	149	4152	11
0.3690	550	104	554	45	5997	148	4004	0.6310
91	654	104	509	45	6145	149	3855	09
92	758	105	464	44	6294	149	3706	08
93	863	104	420	45	6443	149	3557	07
94	9.738967	104	375	45	6592	149	3408	06
95	9.739071	104	330	45	6741	148	3259	05
96	175	104	285	44	6889	149	3111	04
97	279	104	241	45	7038	149	2962	03
98	383	104	196	45	7187	149	2813	02
0.3699	487	103	151	45	7336	148	2665	01
0.3700	9.739590		9.922106		9.817484		10.182516	0.6300
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3700	9.739590		9.922106		9.817484		10.182516	0.6300
01	694	104	061	45	7633	149	2367	0.6299
02	798	104	9.922017	44	7782	149	2219	98
03	9.739902	104	9.921972	45	7930	148	2070	97
04	9.740006	104	927	45	8079	149	1921	96
05	109	103	882	45	8227	148	1773	95
06	213	104	837	45	8376	149	1624	94
07	317	104	792	45	8524	148	1476	93
08	420	103	747	45	8673	149	1327	92
09	524	104	702	45	8821	148	1179	91
0.3710	627	103	657	45	8970	149	1030	0.6290
11	731	104	612	45	9118	148	0882	89
12	834	103	567	45	9267	149	0733	88
13	9.740938	104	522	45	9415	148	0585	87
14	9.741041	103	477	45	9564	149	0437	86
15	144	103	432	45	9712	148	0288	85
16	248	104	387	45	9.819860	148	10.180140	84
17	351	103	342	45	9.820009	149	10.179991	83
18	454	103	297	45	0157	148	9843	82
19	557	103	252	45	0305	148	9695	81
0.3720	660	103	207	45	0454	149	9547	0.6280
21	764	104	162	45	0602	148	9398	79
22	867	103	117	45	0750	148	9250	78
23	9.741970	103	072	46	0898	148	9102	77
24	9.742073	103	9.921026	45	1046	148	8954	76
25	176	103	9.920981	45	9.821195	149	10.178805	75
26	279	103	936	45	1343	148	8657	74
27	382	103	891	45	1491	148	8509	73
28	484	102	845	45	1639	148	8361	72
29	587	103	800	45	1787	148	8213	71
0.3730	690	103	755	45	1935	148	8065	0.6270
31	793	103	710	46	2083	148	7917	69
32	896	102	664	45	2231	148	7769	68
33	9.742998	103	619	45	2379	148	7621	67
34	9.743101	103	574	46	2527	148	7473	66
35	204	102	528	45	2675	148	7325	65
36	306	103	483	45	2823	148	7177	64
37	409	102	438	46	2971	148	7029	63
38	511	103	392	45	3119	148	6881	62
39	614	102	347	46	3267	148	6733	61
0.3740	716	103	301	45	3415	148	6585	0.6260
41	819	102	256	45	3563	148	6437	59
42	9.743921	102	211	46	3711	147	6290	58
43	9.744023	103	165	45	3858	148	6142	57
44	126	102	120	46	4006	148	5994	56
45	228	102	074	45	4154	148	5846	55
46	330	103	9.920029	46	4302	148	5698	54
47	433	102	9.919983	45	4450	147	5551	53
48	535	102	938	46	4597	148	5403	52
49	637	102	892	46	4745	148	5255	51
0.3750	9.744739		9.919846		9.824893		10.175107	0.6250
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3750	9.744739	102	9.919846	45	9.824893	147	10.175107	0.6250
51	841	102	801	46	5040	148	4960	49
52	9.744943	102	755	45	5188	148	4812	48
53	9.745045	102	710	46	5336	147	4665	47
54	147	102	664	46	5483	148	4517	46
55	249	102	618	45	5631	147	4369	45
56	351	102	573	46	5778	148	4222	44
57	453	102	527	46	5926	147	4074	43
58	555	101	481	45	6073	148	3927	42
59	656	102	436	46	6221	147	3779	41
0.3760	758	102	390	46	6368	148	3632	0.6240
61	860	102	344	46	6516	147	3484	39
62	9.745962	101	298	45	6663	148	3337	38
63	9.746063	102	253	46	6811	147	3189	37
64	165	102	207	46	6958	148	3042	36
65	267	101	161	46	7106	147	2894	35
66	368	102	115	46	7253	147	2747	34
67	470	101	069	46	7400	148	2600	33
68	571	102	9.919023	45	7548	147	2452	32
69	673	101	9.918978	46	7695	147	2305	31
0.3770	774	101	932	46	7842	148	2158	0.6230
71	875	102	886	46	7990	147	2010	29
72	9.746977	101	840	46	8137	147	1863	28
73	9.747078	101	794	46	8284	147	1716	27
74	179	102	748	46	8431	148	1569	26
75	281	101	9.918702	46	9.828579	147	10.171421	25
76	382	101	656	46	8726	147	1274	24
77	483	101	610	46	8873	147	1127	23
78	584	101	564	46	9020	147	0980	22
79	685	101	518	46	9167	147	0833	21
0.3780	786	101	472	46	9314	148	0686	0.6220
81	887	101	426	46	9462	147	0539	19
82	9.747988	101	380	46	9609	147	0391	18
83	9.748089	101	334	46	9756	147	0244	17
84	190	101	288	46	9.829903	147	10.170097	16
85	291	101	242	47	9.830050	147	10.169950	15
86	392	101	195	46	0197	147	9803	14
87	493	101	149	46	0344	147	9656	13
88	594	101	103	46	0491	147	9509	12
89	695	100	057	46	0638	147	9362	11
0.3790	795	101	9.918011	47	0785	147	9215	0.6210
91	896	101	9.917964	46	0932	147	9069	09
92	9.748997	100	918	46	1078	146	8922	08
93	9.749097	101	872	46	1225	147	8775	07
94	198	100	826	47	1372	147	8628	06
95	298	101	779	46	1519	147	8481	05
96	399	100	733	46	1666	147	8334	04
97	499	101	687	46	1813	146	8187	03
98	600	100	641	47	1959	147	8041	02
0.3799	700	101	594	46	2106	147	7894	01
0.3800	9.749801		9.917548		9.832253		10.167747	0.6200
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	Dif.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3800	9.749801		9.917548		9.832253		10.167747	0.6200
		100		46		147		
01	9.749901		502		400		600	0.6199
02	9.750001	100	455	47	546	146	454	98
03	102	101	409	46	693	147	307	97
04	202	100	362	47	840	147	160	96
05	302	100	316	46	9.832986	146	10.167014	95
		100		47		147		
06	402	101	269	46	9.833133	147	10.166867	94
07	503	100	223	47	280	146	720	93
08	603	100	176	46	426	147	574	92
09	703	100	130	47	573	146	427	91
0.3810	803	100	083	46	719	147	281	0.6190
11	9.750903	100	9.917037	47	9.833866	147	10.166134	89
12	9.751003	100	9.916990	46	9.834013	146	10.165988	88
13	103	100	944	47	159	147	841	87
14	203	100	897	46	306	146	695	86
15	303	100	851	47	452	147	548	85
16	403	99	804	47	599	146	402	84
17	502	100	757	46	745	146	255	83
18	602	100	711	47	9.834891	147	10.165109	82
19	702	100	664	46	9.835038	146	10.164962	81
0.3820	802	99	618	47	184	147	816	0.6180
21	9.751901	100	571	47	331	146	670	79
22	9.752001	100	524	47	477	146	523	78
23	101	99	477	46	623	147	377	77
24	200	100	431	47	770	146	231	76
25	300	99	384	47	9.835916	146	10.164084	75
26	399	100	337	47	9.836062	146	10.163938	74
27	499	99	290	46	208	147	792	73
28	598	100	244	47	355	146	645	72
29	698	99	197	47	501	146	499	71
0.3830	797	99	150	47	647	146	353	0.6170
31	896	100	103	47	793	146	207	69
32	9.752996	99	056	47	9.836939	147	10.163061	68
33	9.753095	99	9.916009	46	9.837086	146	10.162914	67
34	194	99	9.915963	47	232	146	768	66
35	293	100	916	47	378	146	622	65
36	393	99	869	47	524	146	476	64
37	492	99	822	47	670	146	330	63
38	591	99	775	47	816	146	183	62
39	690	99	728	47	9.837962	146	10.162038	61
0.3840	789	99	681	47	9.838108	146	10.161892	0.6160
41	888	99	634	47	254	146	746	59
42	9.753987	99	587	47	400	146	600	58
43	9.754086	99	540	47	546	146	454	57
44	185	99	493	47	692	146	308	56
45	284	99	446	47	838	146	162	55
46	383	99	399	47	9.838984	146	10.161016	54
47	482	98	352	48	9.839130	146	10.160870	53
48	580	99	304	47	276	146	724	52
49	679	99	257	47	422	146	578	51
0.3850	9.754778		9.915210		9.839568		10.160432	0.6150
Arc.	Log. Cosin.	Dif.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3850	9.754778		9.915210		9.839568		10.160432	0.6150
51	876	98	163	47	714	146	287	49
52	9.754975	99	116	47	9.839859	145	10.160141	48
53	9.755074	99	069	47	9.840005	146	10.159995	47
54	172	98	9 915021	48	151	146	849	46
55	271	99	9.914974	47	297	146	703	45
56	369	98	927	47	442	145	558	44
57	468	99	880	47	588	146	412	43
58	566	98	832	47	734	146	266	42
59	665	99	785	47	9.840880	146	10.159120	41
0.3860	763	98	738	47	9.841025	145	10.158975	0.6140
61	862	99	691	47	171	146	829	39
62	9.755960	98	643	48	317	146	683	38
63	9.756058	98	596	47	462	145	538	37
64	156	98	549	47	608	146	392	36
65	255	99	501	48	754	146	247	35
66	353	98	454	47	9.841899	145	10.158101	34
67	451	98	406	48	9.842045	146	10.157955	33
68	549	98	359	47	190	145	810	32
69	647	98	311	48	336	146	664	31
0.3870	745	98	264	47	481	145	519	0.6130
71	843	98	217	47	627	146	373	29
72	9.756941	98	169	48	772	145	228	28
73	9.757039	98	122	47	9.842918	146	10.157082	27
74	137	98	074	48	9.843063	145	10.156937	26
75	235	98	9.914026	48	209	146	791	25
76	333	98	9.913979	47	354	145	646	24
77	431	98	931	48	499	145	501	23
78	529	97	884	47	645	146	355	22
79	626	98	836	48	790	145	210	21
0.3880	724	98	789	47	9.843936	146	10.156065	0.6120
81	822	97	741	48	9.844081	145	10.155919	19
82	9.757919	98	693	48	226	145	774	18
83	9.758017	98	646	47	372	146	629	17
84	115	97	598	48	517	145	483	16
85	212	98	550	48	662	145	338	15
86	310	97	502	48	807	145	193	14
87	407	98	455	47	9.844953	146	10.155048	13
88	505	97	407	48	9.845098	145	10.154902	12
89	602	98	359	48	243	145	757	11
0.3890	700	97	311	48	388	145	612	0.6110
91	797	97	264	47	533	145	467	09
92	894	98	216	48	678	145	322	08
93	9.758992	97	168	48	824	146	176	07
94	9.759089	97	120	48	9.845969	145	10.154031	06
95	186	97	072	48	9.846114	145	10.153886	05
96	283	98	9.913024	47	259	145	741	04
97	381	97	9.912977	48	404	145	596	03
98	478	97	929	48	549	145	451	02
0.3899	575	97	881	48	694	145	306	01
0.3900	9.759672	97	9.912833	48	9.846839	145	10.153161	0.6100
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3900	9.759672		9.912833		9.846839		10.153161	0.6100
01	769	97	785	48	9.846984	145	10.153016	0.6099
02	866	97	737	48	9.847129	145	10.152871	98
03	9.759963	97	689	48	274	145	726	97
04	9.760060	97	641	48	419	145	581	96
05	157	97	593	48	564	145	436	95
06	254	97	545	48	709	145	291	94
07	351	97	497	48	854	145	146	93
08	447	96	449	48	9.847999	145	10.152001	92
09	544	97	401	48	9.848144	144	10.151857	91
0.3910	641	97	353	48	288	145	712	0.6090
11	738	97	304	48	433	145	567	89
12	834	96	256	48	578	145	422	88
13	9.760931	97	208	48	723	145	277	87
14	9.761028	97	160	48	9.848868	144	10.151132	86
15	124	96	112	48	9.849012	145	10.150988	85
16	221	97	064	49	157	145	843	84
17	317	96	9.912015	48	302	145	698	83
18	414	97	9.911967	48	447	144	553	82
19	510	96	919	48	591	145	409	81
0.3920	607	97	871	49	736	145	264	0.6080
21	703	96	822	48	9.849881	144	10.150119	79
22	799	96	774	48	9.850025	145	10.149975	78
23	896	97	726	48	170	145	830	77
24	9.761992	96	678	49	315	144	685	76
25	9.762088	96	9.911629	48	459	145	541	75
26	185	97	581	49	604	144	396	74
27	281	96	532	48	748	145	252	73
28	377	96	484	48	9.850893	145	10.149107	72
29	473	96	436	49	9.851038	144	10.148963	71
0.3930	569	96	387	48	182	145	818	0.6070
31	665	96	339	49	327	144	673	69
32	761	96	290	48	471	145	529	68
33	857	96	242	49	616	144	384	67
34	9.762953	96	193	48	760	145	240	66
35	9.763049	96	145	49	9.851905	144	10.148096	65
36	145	96	096	48	9.852049	144	10.147951	64
37	241	96	9.911048	49	193	145	807	63
38	337	96	9.910999	48	338	144	662	62
39	433	96	951	49	482	145	518	61
0.3940	529	95	902	48	627	144	374	0.6060
41	624	96	854	49	771	144	229	59
42	720	96	805	49	9.852915	144	10.147085	58
43	816	96	756	48	9.853060	145	10.146940	57
44	9.763912	95	708	49	204	144	796	56
45	9.764007	96	659	49	348	144	652	55
46	103	95	610	48	493	145	508	54
47	198	96	562	49	637	144	363	53
48	294	95	513	49	781	144	219	52
49	389	96	464	48	9.853925	144	10.146075	51
0.3950	9.764485		9.910416		9.854069		10.145931	0.6050
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.3950	9.764485		9.910416		9.854069		10.145931	0.6050
51	580	95	367	49	214	145	786	49
52	676	95	318	49	358	144	642	48
53	771	95	269	49	502	144	498	47
54	867	95	220	48	646	144	354	46
55	9.764962	95	172	49	790	144	210	45
56	9.765057	95	123	49	9.854934	145	10.145066	44
57	152	95	074	49	9.855079	144	10.144922	43
58	248	95	9.910025	49	223	144	777	42
59	343	95	9.909976	49	367	144	633	41
0.3960	438	95	927	49	511	144	489	0.6040
61	533	95	878	49	655	144	345	39
62	628	95	829	49	799	144	201	38
63	723	95	780	49	9.855943	144	10.144057	37
64	818	95	731	49	9.856087	144	10.143913	36
65	9.765913	95	682	49	231	144	769	35
66	9.766008	95	633	49	375	144	625	34
67	103	95	584	49	519	144	481	33
68	198	95	535	49	663	144	337	32
69	293	95	486	49	807	144	193	31
0.3970	388	95	437	49	9.856951	144	10.143049	0.6030
71	483	94	388	49	9.857095	144	10.142906	29
72	577	95	339	49	238	143	762	28
73	672	95	290	49	382	144	618	27
74	767	95	241	49	526	144	474	26
75	862	95	192	49	670	144	330	25
76	9.766956	94	143	49	814	144	186	24
77	9.767051	95	093	50	9.857958	144	10.142042	23
78	146	95	9.909044	49	9.858101	143	10.141899	22
79	240	94	9.908995	49	245	144	755	21
0.3980	335	95	946	49	389	144	611	0.6020
81	429	94	896	50	533	144	467	19
82	524	95	847	49	676	143	324	18
83	618	94	798	49	820	144	180	17
84	712	94	749	49	9.858964	144	10.141036	16
85	807	95	699	50	9.859108	144	10.140893	15
86	901	94	650	49	251	143	749	14
87	9.767995	94	601	49	395	144	605	13
88	9.768090	95	551	50	539	144	462	12
89	184	94	502	49	682	143	318	11
0.3990	278	94	453	49	826	144	174	0.6010
91	372	94	403	50	9.859969	143	10.140031	09
92	467	95	354	49	9.860113	144	10.139887	08
93	561	94	304	50	257	144	744	07
94	655	94	255	49	400	143	600	06
95	749	94	205	50	544	144	456	05
96	843	94	156	49	687	143	313	04
97	9.768937	94	106	50	831	144	169	03
98	9.769031	94	057	49	9.860974	143	10.139026	02
0.3999	125	94	9.908007	50	9.861118	144	10.138882	01
0.4000	9.769219	94	9.907958	49	9.861261	143	10.138739	0.6000
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4000	9.769219		9.907958		9.861261		10.138739	0.6000
01	313	94	908	50	405	144	596	0.5999
02	406	93	859	49	548	143	452	98
03	500	94	809	50	691	143	309	97
04	594	94	759	50	835	144	165	96
05	688	94	710	49	9.861978	143	10.138022	95
06	782	94	660	50	9.862122	144	10.137879	94
07	875	93	610	50	265	143	735	93
08	9.769969	94	561	49	408	143	592	92
09	9.770063	94	511	50	552	144	448	91
0.4010	156	93	461	50	695	143	305	0.5990
11	250	94	412	49	838	143	162	89
12	343	93	362	50	9.862982	144	10.137019	88
13	437	94	312	50	9.863125	143	10.136875	87
14	530	93	262	50	268	143	732	86
15	624	94	212	50	411	143	589	85
16	717	93	163	49	555	144	446	84
17	810	93	113	50	698	143	302	83
18	904	93	063	50	841	143	159	82
19	9.770997	93	9.907013	50	9.863984	143	10.136016	81
0.4020	9.771090	93	9.906963	50	9.864127	143	10.135873	0.5980
21	184	93	913	50	271	144	730	79
22	277	93	863	50	414	143	586	78
23	370	93	813	50	557	143	443	77
24	463	93	763	50	700	143	300	76
25	556	93	9.906713	50	843	143	157	75
26	650	93	663	50	9.864986	143	10.135014	74
27	743	93	613	50	9.865129	143	10.134871	73
28	836	93	563	50	272	143	728	72
29	9.771929	93	513	50	415	143	585	71
0.4030	9.772022	93	463	50	558	143	442	0.5970
31	115	93	413	50	701	143	299	69
32	208	93	363	50	844	143	156	68
33	300	92	313	50	9.865987	143	10.134013	67
34	393	93	263	50	9.866130	143	10.133870	66
35	486	93	213	50	273	143	727	65
36	579	93	163	50	416	143	584	64
37	672	93	113	51	559	143	441	63
38	764	92	062	50	702	143	298	62
39	857	93	9.906012	50	845	143	155	61
0.4040	9.772950	93	9.905962	50	9.866988	143	10.133012	0.5960
41	9.773043	93	912	50	9.867131	143	10.132869	59
42	135	92	862	51	274	143	726	58
43	228	93	811	50	417	143	584	57
44	320	92	761	50	559	142	441	56
45	413	93	711	51	702	143	298	55
46	505	92	660	50	845	143	155	54
47	598	93	610	50	9.867988	143	10.132012	53
48	690	92	560	51	9.868131	142	10.131870	52
49	783	93	509	50	273	143	727	51
0.4050	9.773875	92	9.905459		9.868416		10.131584	0.5950
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4050	9.773875		9.905459		9.868416		10.131584	0.5950
51	9.773967	92	409	50	559	143	441	49
52	9.774060	93	358	51	702	143	299	48
53	152	92	308	50	844	142	156	47
54	244	92	257	51	9.868987	143	10.131013	46
55	336	92	207	50	9.869130	143	10.130870	45
56	429	93	156	51	272	142	728	44
57	521	92	106	50	415	143	585	43
58	613	92	055	51	558	143	442	42
59	705	92	9.905005	50	700	142	300	41
0.4060	797	92	9.904954	51	843	143	157	0.5940
61	889	92	904	50	9.869985	142	10.130015	39
62	9.774981	92	853	51	9.870128	143	10.129872	38
63	9.775073	92	803	50	271	143	729	37
64	165	92	752	51	413	142	587	36
65	257	92	701	51	556	143	444	35
66	349	92	651	50	698	142	302	34
67	441	92	600	51	841	143	159	33
68	533	92	549	51	9.870983	142	10.129017	32
69	624	91	499	50	9.871126	143	10.128874	31
0.4070	716	92	448	51	268	142	732	0.5930
71	808	92	397	51	411	143	589	29
72	900	92	346	51	553	142	447	28
73	9.775991	91	296	50	696	143	304	27
74	9.776083	92	245	51	838	142	162	26
75	175	92	194	51	9.871981	143	10.128020	25
76	266	91	143	51	9.872123	142	10.127877	24
77	358	92	092	50	265	142	735	23
78	449	91	9.904042	51	408	143	592	22
79	541	92	9.903991	51	550	142	450	21
0.4080	632	91	940	51	692	142	308	0.5920
81	724	92	889	51	835	143	165	19
82	816	91	838	51	9.872977	142	10.127023	18
83	908	91	787	51	9.873119	142	10.126881	17
84	9.776998	92	736	51	262	143	738	16
85	9.777089	91	685	51	404	142	596	15
86	180	91	634	51	546	142	454	14
87	272	92	583	51	688	142	312	13
88	363	91	532	51	831	143	169	12
89	454	91	481	51	9.873973	142	10.126027	11
0.4090	545	91	430	51	9.874115	142	10.125885	0.5910
91	636	91	379	51	257	143	743	09
92	728	92	328	51	400	142	601	08
93	819	91	277	51	542	142	458	07
94	9.777910	91	226	51	684	142	316	06
95	9.778001	91	175	51	826	142	174	05
96	092	91	124	52	9.874968	142	10.125032	04
97	183	90	072	51	9.875110	142	10.124890	03
98	274	90	9.903021	51	252	143	748	02
0.4099	364	91	9.902970	51	395	142	606	01
0.4100	9.778455		9.902919		9.875537		10.124464	0.5900
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4100	9.778455		9.902919		9.875537		10.124464	0.5900
01	546	91	868	51	679	142	321	0.5899
02	637	91	816	51	821	142	179	98
03	728	91	765	51	9.875963	142	10.124037	97
04	819	91	714	51	9.876105	142	10.123895	96
05	909	90	663	51	247	142	753	95
06	9.779000	91	611	52	389	142	611	94
07	9.779091	91	560	51	531	142	469	93
08	181	90	509	51	673	142	327	92
09	272	91	457	52	815	142	185	91
0.4110	362	90	406	51	9.876957	142	10.123043	0.5890
11	453	91	354	52	9.877099	142	10.122901	89
12	544	91	303	51	241	142	759	88
13	634	90	252	51	383	142	618	87
14	724	90	200	52	524	141	476	86
15	815	91	149	51	666	142	334	85
16	905	90	097	52	808	142	192	84
17	9.779996	91	9.902046	51	9.877950	142	10.122050	83
18	9.780086	90	9.901994	52	9.878092	142	10.121908	82
19	176	90	943	51	234	142	766	81
0.4120	267	91	891	52	376	142	624	0.5880
21	357	90	839	52	517	141	483	79
22	447	90	788	51	659	142	341	78
23	537	90	736	52	801	142	199	77
24	627	90	685	51	9.878943	142	10.121057	76
25	718	91	9.901633	52	9.879085	142	10.120916	75
26	808	90	581	52	226	141	774	74
27	898	90	530	51	368	142	632	73
28	9.780988	90	478	52	510	142	490	72
29	9.781078	90	426	52	652	142	349	71
0.4130	168	90	375	51	793	141	207	0.5870
31	258	90	323	52	9.879935	142	10.120065	69
32	348	90	271	52	9.880077	142	10.119924	68
33	438	90	219	52	218	141	782	67
34	527	89	168	51	360	142	640	66
35	617	90	116	52	502	142	499	65
36	707	90	064	52	643	141	357	64
37	797	90	9.901012	52	785	142	215	63
38	887	90	9.900960	52	9.880926	141	10.119074	62
39	9.781976	89	908	52	9.881068	142	10.118932	61
0.4140	9.782066	90	857	51	210	142	791	0.5860
41	156	90	805	52	351	141	649	59
42	245	89	753	52	493	142	507	58
43	335	90	701	52	634	141	366	57
44	425	90	649	52	776	142	224	56
45	514	89	597	52	9.881917	141	10.118083	55
46	604	90	545	52	9.882059	142	10.117941	54
47	693	89	493	52	200	141	800	53
48	783	90	441	52	342	142	658	52
49	872	89	389	52	483	141	517	51
0.4150	9.782961	89	9.900337	52	9.882625	142	10.117375	0.5850
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4150	9.782961		9.900337		9.882625		10.117375	0.5850
51	9.783051	90	285	52	766	141	234	49
52	140	89	233	52	9.882908	142	10.117093	48
53	229	89	181	52	9.883049	141	10.116951	47
54	319	90	128	53	190	141	810	46
55	408	89	076	52	332	142	668	45
56	497	89	9.900024	52	473	141	527	44
57	586	89	9.899972	52	615	142	386	43
58	676	90	920	52	756	141	244	42
59	765	89	868	52	9.883897	141	10.116103	41
0.4160	854	89	815	53	9.884039	142	10.115962	0.5840
61	9.783943	89	763	52	180	141	820	39
62	9.784032	89	711	52	321	141	679	38
63	121	89	659	52	463	142	538	37
64	210	89	606	53	604	141	396	36
65	299	89	554	52	745	141	255	35
66	388	89	502	52	9.884886	141	10.115114	34
67	477	89	449	53	9.885028	142	10.114972	33
68	566	89	397	52	169	141	831	32
69	655	89	345	52	310	141	690	31
0.4170	743	88	292	53	451	141	549	0.5830
71	832	89	240	52	592	141	408	29
72	9.784921	89	187	53	734	142	266	28
73	9.785010	88	135	52	9.885875	141	10.114125	27
74	098	89	082	53	9.886016	141	10.113984	26
75	187	89	9.899030	52	157	141	843	25
76	276	88	9.898977	53	298	141	702	24
77	364	89	925	52	439	142	561	23
78	453	88	872	53	581	141	419	22
79	541	89	820	52	722	141	278	21
0.4180	630	89	767	53	9.886863	141	10.113137	0.5820
81	719	89	715	52	9.887004	141	10.112996	19
82	807	88	662	53	145	141	855	18
83	895	88	609	53	286	141	714	17
84	9.785984	89	557	52	427	141	573	16
85	9.786072	88	504	53	568	141	432	15
86	161	89	451	53	709	141	291	14
87	249	88	399	52	850	141	150	13
88	337	88	346	53	9.887991	141	10.112009	12
89	426	89	293	53	9.888132	141	10.111868	11
0.4190	514	88	241	52	273	141	727	0.5810
91	602	88	188	53	414	141	586	09
92	690	88	135	53	555	141	445	08
93	778	88	082	53	696	141	304	07
94	866	89	9.898030	52	837	141	163	06
95	9.786955	88	9.897977	53	9.888978	141	10.111022	05
96	9.787043	88	924	53	9.889119	141	10.110881	04
97	131	88	871	53	260	141	740	03
98	219	88	818	53	401	141	599	02
0.4199	307	88	765	53	542	140	459	01
0.4200	9.787395		9.897712		9.889682		10.110318	0.5800
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4200	9.787395	88	9.897712	53	9.889682	141	10.110318	0.5800
01	483	88	659	53	823	141	177	0.5799
02	571	87	606	52	9.889964	141	10.110036	98
03	658	88	553	53	9.890105	141	10.109895	97
04	746	88	501	53	246	141	754	96
05	834	88	448	53	387	140	614	95
06	9.787922	88	395	53	527	141	473	94
07	9.788010	87	342	54	668	141	332	93
08	097	88	288	53	809	141	191	92
09	185	88	235	53	9.890950	140	10.109050	91
0.4210	273	87	182	53	9.891090	141	10.108910	0.5790
11	360	88	129	53	231	141	769	89
12	448	88	076	53	372	141	628	88
13	536	87	9.897023	53	513	140	487	87
14	623	88	9.896970	53	653	141	347	86
15	711	87	917	54	794	141	206	85
16	798	88	863	53	9.891935	140	10.108065	84
17	886	87	810	53	9.892075	141	10.107925	83
18	9.788973	88	757	53	216	141	784	82
19	9.789061	87	704	53	357	140	643	81
0.4220	148	87	651	54	497	141	503	0.5780
21	235	88	597	53	638	141	362	79
22	323	87	544	53	779	140	221	78
23	410	87	491	54	9.892919	141	10.107081	77
24	497	87	437	53	9.893060	140	10.106940	76
25	584	88	9.896384	53	200	141	800	75
26	672	87	331	54	341	141	659	74
27	759	87	277	53	482	140	518	73
28	846	87	224	53	622	141	378	72
29	9.789933	87	171	54	763	140	237	71
0.4230	9.790020	87	117	53	9.893903	141	10.106097	0.5770
31	107	87	064	54	9.894044	140	10.105956	69
32	194	87	9.896010	53	184	141	816	68
33	281	87	9.895957	54	325	140	675	67
34	368	87	903	53	465	141	535	66
35	455	87	850	54	606	140	394	65
36	542	87	796	53	746	141	254	64
37	629	87	743	54	9.894887	140	10.105113	63
38	716	87	689	53	9.895027	141	10.104973	62
39	803	87	636	54	168	140	833	61
0.4240	890	87	582	54	308	140	692	0.5760
41	9.790977	86	528	53	448	141	552	59
42	9.791063	87	475	54	589	140	411	58
43	150	87	421	54	729	141	271	57
44	237	87	367	53	9.895870	140	10.104131	56
45	324	86	314	54	9.896010	140	10.103990	55
46	410	87	260	54	150	141	850	54
47	497	86	206	53	291	140	709	53
48	583	87	153	54	431	140	569	52
49	670	87	099	54	571	141	429	51
0.4250	9.791757		9.895045		9.896712		10.103288	0.5750
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4250	9.791757		9.895045		9.896712		10.103288	0.5750
51	843	86		54	852	140	148	49
52	9.791930	87	9.894991	54	9.896992	140	10.103008	48
53	9.792016	86	937	53	9.897133	141	10.102868	47
54	103	87	884	54	273	140	727	46
55	189	86	830	54	413	140	587	45
56	275	86	776	54	553	140	447	44
57	362	87	722	54	694	141	307	43
58	448	86	668	54	834	140	166	42
59	534	86	614	54	9.897974	140	10.102026	41
0.4260	621	87	560	54	9.898114	140	10.101886	0.5740
61	707	86	506	54	254	140	746	39
62	793	86	452	54	395	141	605	38
63	879	86	398	54	535	140	465	37
64	9.792965	86	344	54	675	140	325	36
65	9.793051	87	290	54	815	140	185	35
66	138	86	236	54	9.898955	140	10.101045	34
67	224	86	182	54	9.899095	140	10.100905	33
68	310	86	128	54	236	141	764	32
69	396	86	074	54	376	140	624	31
0.4270	482	86	9.894020	54	516	140	484	0.5730
71	568	86	9.893966	54	656	140	344	29
72	654	86	912	54	796	140	204	28
73	740	85	858	55	9.899936	140	10.100064	27
74	825	86	803	54	9.900076	140	10.099924	26
75	911	86	749	54	216	140	784	25
76	9.793997	86	695	54	356	140	644	24
77	9.794083	86	641	54	496	140	504	23
78	169	85	587	55	636	140	364	22
79	254	86	532	54	776	140	224	21
0.4280	340	86	478	54	9.900916	140	10.099084	0.5720
81	426	85	424	55	9.901056	140	10.098944	19
82	511	86	369	54	196	140	804	18
83	597	86	315	54	336	140	664	17
84	683	85	261	55	476	140	524	16
85	768	86	206	54	616	140	384	15
86	854	85	152	54	756	140	244	14
87	9.794939	86	098	55	9.901896	140	10.098104	13
88	9.795025	85	9.893043	54	9.902036	140	10.097964	12
89	110	86	9.892989	55	176	140	824	11
0.4290	196	85	934	54	316	140	684	0.5710
91	281	86	880	55	456	140	544	09
92	367	85	825	54	596	140	404	08
93	452	85	771	55	736	139	265	07
94	537	86	716	54	9.902875	140	10.097125	06
95	623	85	662	55	9.903015	140	10.096985	05
96	708	85	607	54	155	140	845	04
97	793	85	553	55	295	140	705	03
98	878	85	498	54	435	140	565	02
0.4299	9.795963	86	444	55	575	140	425	01
0.4300	9.796049		389	55	9.903714	139	10.096286	0.5700
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4300	9.796049		9.892334		9.903714		10.096286	0.5700
		85		54		140		
01	134		280		854		146	0.5699
02	219	85	225	55	9.903994	139	10.096006	98
03	304	85	170	55	9.904134	140	10.095866	97
04	389	85	115	55	274	140	726	96
05	474	85	061	54	413	139	587	95
		85		55		140		
06	559	85	9.892006	55	553	140	447	94
07	644	85	9.891951	55	693	140	307	93
08	729	85	896	54	833	139	168	92
09	814	85	842	55	9.904972	140	10.095028	91
0.4310	899	85	787	55	9.905112	140	10.094888	0.5690
						140		
11	9.796984		732	55	252	139	748	89
12	9.797068	84	677	55	391	140	609	88
13	153	85	622	55	531	140	469	87
14	238	85	567	55	671	139	329	86
15	323	85	512	54	810	140	190	85
		85		55		140		
16	408	84	458	55	9.905950	140	10.094050	84
17	492	85	403	55	9.906090	139	10.093910	83
18	577	85	348	55	229	140	771	82
19	662	84	293	55	369	140	631	81
0.4320	746	85	238	55	509	139	491	0.5680
		84		55		140		
21	831	85	183	55	648	139	352	79
22	915	84	128	55	788	140	212	78
23	9.798000	84	073	56	9.906927	139	10.093073	77
24	9.798084	85	9.891017	55	9.907067	140	10.092933	76
25	169	84	9.890962	55	207	140	794	75
		85		55		139		
26	253	84	907	55	346	140	654	74
27	338	84	852	55	486	139	514	73
28	422	85	797	55	625	140	375	72
29	507	84	742	55	765	139	235	71
0.4330	591	84	687	56	9.907904	140	10.092096	0.5670
		85		55		139		
31	675	84	631	55	9.908044	139	10.091956	69
32	760	84	576	55	183	140	817	68
33	844	84	521	55	323	139	677	67
34	9.798928	84	466	55	462	140	538	66
35	9.799012	84	411	56	602	139	398	65
		84		55		140		
36	096	85	355	55	741	139	259	64
37	181	84	300	55	9.908881	140	10.091119	63
38	265	84	245	56	9.909020	139	10.090980	62
39	349	84	189	55	160	140	841	61
0.4340	433	84	134	55	299	139	701	0.5660
		84		55		139		
41	517	84	079	55	438	140	562	59
42	601	84	9.890023	55	578	139	422	58
43	685	84	9.889968	56	717	140	283	57
44	769	84	912	55	857	139	144	56
45	853	84	857	56	9.909996	139	10.090004	55
		84		55		140		
46	9.799937	84	801	55	9.910135	139	10.089865	54
47	9.800021	84	746	55	275	140	725	53
48	105	83	691	56	414	139	586	52
49	188	84	635	56	553	139	447	51
0.4350	9.800272		9.889579		9.910693	140	10.089307	0.5650
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4350	9.800272		9.889579		9.910693		10.089307	0.5650
51	356	84	524	55	832	139	168	49
52	440	84	468	56	9.910971	139	10.089029	48
53	523	83	413	55	9.911111	140	10.088889	47
54	607	84	357	56	250	139	750	46
55	691	84	302	55	389	139	611	45
56	774	83	246	56	529	140	472	44
57	858	84	190	56	668	139	332	43
58	9.800942	84	135	55	807	139	193	42
59	9.801025	83	079	56	9.911946	139	10.088054	41
0.4360	109	84	9.889023	56	9.912086	140	10.087914	0.5640
61	192	83	9.888967	56	225	139	775	39
62	276	84	911	55	364	139	636	38
63	359	83	856	56	503	139	497	37
64	443	84	800	56	643	140	358	36
65	526	83	744	55	782	139	218	35
66	609	83	689	56	9.912921	139	10.087079	34
67	693	84	633	56	9.913060	139	10.086940	33
68	776	83	577	56	199	139	801	32
69	860	84	521	56	338	139	662	31
0.4370	9.801943	83	465	56	478	139	523	0.5630
71	9.802026	83	409	56	617	139	383	29
72	109	83	353	56	756	139	244	28
73	193	82	297	56	9.913895	139	10.086105	27
74	275	84	241	56	9.914034	139	10.085966	26
75	359	83	185	56	173	139	827	25
76	442	83	129	56	312	139	688	24
77	525	83	073	56	451	140	549	23
78	608	83	9.888017	56	591	139	410	22
79	691	83	9.887961	56	730	139	270	21
0.4380	774	83	905	56	9.914869	139	10.085131	0.5620
81	857	83	849	56	9.915008	139	10.084992	19
82	9.802940	83	793	56	147	139	853	18
83	9.803023	83	737	56	286	139	714	17
84	106	83	681	56	425	139	575	16
85	189	82	625	57	564	139	436	15
86	271	83	568	56	703	139	297	14
87	354	83	512	56	842	139	158	13
88	437	83	456	56	9.915981	139	10.084019	12
89	520	83	400	56	9.916120	139	10.083880	11
0.4390	603	82	344	57	259	139	741	0.5610
91	685	83	287	56	398	139	602	09
92	768	83	231	56	537	139	463	08
93	851	82	175	57	676	139	324	07
94	9.803933	83	118	56	815	139	185	06
95	9.804016	82	062	56	9.916954	139	10.083046	05
96	098	83	9.887006	57	9.917093	139	10.082907	04
97	181	82	9.886949	56	232	139	768	03
98	263	83	893	56	371	138	630	02
0.4399	346	82	837	57	509	139	491	01
0.4400	9.804428	D.	9.886780	D.	9.917648	Dif.	10.082352	0.5600
Arc.	Log. Cosin.		Log. Sin.		Log. Cot.		Log. Tang.	Arc.

0. 440.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4400	9.804428		9.886780		9.917648		10.082352	0.5600
01	511	83	724	56	787	139	213	0.5599
02	593	82	667	57	9.917926	139	10.082074	98
03	676	83	611	56	9.918065	139	10.081935	97
04	758	82	554	57	204	139	796	96
05	840	82	498	56	343	139	657	95
06	9.804923	83	441	57	482	139	519	94
07	9.805005	82	385	56	620	138	380	93
08	087	82	328	57	759	139	241	92
09	170	83	272	56	9.918898	139	10.081102	91
0.4410	252	82	215	57	9.919037	139	10.080963	0.5590
11	334	82	158	57	176	139	824	89
12	416	82	102	56	315	138	686	88
13	498	82	9.886045	57	453	139	547	87
14	580	82	9.885988	57	592	139	408	86
15	662	82	932	56	731	139	269	85
16	744	83	875	57	9.919870	138	10.080130	84
17	827	82	818	57	9.920008	139	10.079992	83
18	909	81	761	56	147	139	853	82
19	9.805990	82	705	57	286	139	714	81
0.4420	9.806072	82	648	57	425	138	575	0.5580
21	154	82	591	57	563	139	437	79
22	236	82	534	57	702	139	298	78
23	318	82	477	57	841	139	159	77
24	400	82	420	56	9.920980	138	10.079021	76
25	482	82	364	57	9.921118	139	10.078882	75
26	564	81	307	57	257	139	743	74
27	645	82	250	57	396	138	604	73
28	727	82	193	57	534	139	466	72
29	809	82	136	57	673	139	327	71
0.4430	891	81	079	57	812	138	188	0.5570
31	9.806972	82	9.885022	57	9.921950	139	10.078050	69
32	9.807054	81	9.884965	57	9.922089	139	10.077911	68
33	135	82	908	57	228	138	773	67
34	217	82	851	57	366	139	634	66
35	299	81	794	57	505	138	495	65
36	380	82	737	57	643	139	357	64
37	462	81	680	57	782	139	218	63
38	543	82	623	58	9.922921	138	10.077080	62
39	625	81	565	57	9.923059	139	10.076941	61
0.4440	706	81	508	57	198	138	802	0.5560
41	787	82	451	57	336	139	664	59
42	869	81	394	57	475	138	525	58
43	9.807950	81	337	58	613	139	387	57
44	9.808031	82	279	57	752	139	248	56
45	113	81	222	57	9.923891	138	10.076110	55
46	194	81	165	57	9.924029	139	10.075971	54
47	275	81	108	58	168	138	832	53
48	356	82	9.884050	57	306	139	694	52
49	438	81	9.883993	57	445	138	555	51
0.4450	9.808519		9.883936		9.924583		10.075417	0.5550
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 555.

0. 445.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4450	9.808518	82	9.883936	58	9.924583	139	10.075417	0.5550
51	600	81	878	57	722	138	278	49
52	681	81	821	57	860	139	140	48
53	762	81	764	58	9.924999	138	10.075001	47
54	843	81	706	57	9.925137	139	10.074863	46
55	9.808924	81	649	58	276	138	725	45
56	9.809005	81	591	57	414	138	586	44
57	086	81	534	58	552	139	448	43
58	167	81	476	57	691	138	309	42
59	248	81	419	58	829	139	171	41
0.4460	329	81	361	57	9.925968	138	10.074032	0.5540
61	410	81	304	58	9.926106	139	10.073894	39
62	491	81	246	57	245	138	756	38
63	572	80	189	58	383	138	617	37
64	652	81	131	57	521	139	479	36
65	733	81	074	58	660	138	340	35
66	814	81	9.883016	58	798	139	202	34
67	895	80	9.882958	57	9.926937	138	10.073064	33
68	9.809975	81	901	58	9.927075	138	10.072925	32
69	9.810056	81	843	58	213	139	787	31
0.4470	137	80	785	58	352	138	648	0.5530
71	217	81	727	57	490	138	510	29
72	298	81	670	58	628	139	372	28
73	379	80	612	58	767	138	233	27
74	459	81	554	58	9.927905	138	10.072095	26
75	540	80	496	57	9.928043	139	10.071957	25
76	620	81	439	58	182	138	818	24
77	701	80	381	58	320	138	680	23
78	781	80	323	58	458	139	542	22
79	861	81	265	58	597	138	404	21
0.4480	9.810942	80	207	58	735	138	265	0.5520
81	9.811022	81	149	58	9.928873	138	10.071127	19
82	103	80	091	58	9.929011	139	10.070989	18
83	183	80	9.882033	58	150	138	851	17
84	263	80	9.881975	58	288	138	712	16
85	343	81	917	58	426	138	574	15
86	424	80	859	58	564	139	436	14
87	504	80	801	58	703	138	298	13
88	584	80	743	58	841	138	159	12
89	664	80	685	58	9.929979	138	10.070021	11
0.4490	744	81	627	58	9.930117	138	10.069881	0.5510
91	825	80	569	58	255	139	745	09
92	905	80	511	58	394	138	606	08
93	9.811985	80	453	58	532	138	468	07
94	9.812065	80	395	58	670	138	330	06
95	145	80	337	59	808	138	192	05
96	225	80	278	58	9.930946	139	10.069054	04
97	305	80	220	58	9.931085	138	10.068916	03
98	385	80	162	58	223	138	777	02
0.4499	465	80	104	58	361	138	639	01
0.4500	9.812544	79	9.881046	58	9.931499		10.068501	0.5500
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 550.

0. 450.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4500	9.812544	80	9.881046	59	9.931499	138	10.068501	0.550
01	624	80	9.880987	58	637	138	363	0.549
02	704	80	929	58	775	138	225	9
03	784	80	871	59	9.931913	138	10.068087	9
04	864	80	812	58	9.932051	139	10.067949	9
05	9.812944	79	754	58	190	138	811	9
06	9.813023	80	696	59	328	138	672	9
07	103	80	637	58	466	138	534	9
08	183	79	579	59	604	138	396	9
09	262	80	520	58	742	138	258	9
0.4510	342	80	462	58	9.932880	138	10.067120	0.549
11	422	79	404	59	9.933018	138	10.066982	89
12	501	80	345	58	156	138	844	88
13	581	80	287	59	294	138	706	87
14	660	80	228	58	432	138	568	86
15	740	79	170	59	570	138	430	85
16	819	80	111	59	708	138	292	84
17	899	79	9.880052	58	846	138	154	83
18	9.813978	79	9.879994	59	9.933984	138	10.066016	82
19	9.814057	80	935	58	9.934122	138	10.065878	81
0.4520	137	79	877	59	260	138	740	0.5480
21	216	80	818	59	398	138	602	79
22	296	79	759	58	536	138	464	78
23	375	79	701	59	674	138	326	77
24	454	79	642	59	812	138	188	76
25	533	80	583	59	9.934950	138	10.065050	75
26	613	79	524	58	9.935088	138	10.064912	74
27	692	79	466	59	226	138	774	73
28	771	79	407	59	364	138	636	72
29	850	79	348	59	502	138	498	71
0.4530	9.814929	79	289	59	640	138	360	0.5470
31	9.815008	79	230	58	778	138	222	69
32	087	80	172	59	9.935916	138	10.064084	68
33	167	79	113	59	9.936054	138	10.063946	67
34	246	79	9.879054	59	192	137	808	66
35	325	79	9.878995	59	329	139	670	65
36	404	78	936	59	468	137	533	64
37	482	79	877	59	605	138	395	63
38	561	79	818	59	743	138	257	62
39	640	79	759	59	9.936881	138	10.063119	61
0.4540	719	79	700	59	9.937019	138	10.062981	0.5460
41	798	79	641	59	157	138	843	59
42	877	79	582	59	295	138	705	58
43	9.815956	78	523	59	433	138	567	57
44	9.816034	79	464	59	571	137	430	56
45	113	79	405	59	708	138	292	55
46	192	78	346	59	846	138	154	54
47	271	79	287	60	9.937984	138	10.062026	53
48	349	79	227	59	9.938122	138	10.061878	52
49	428	79	168	59	260	138	740	51
0.4550	9.816507	79	9.878109	59	9.938398	138	10.061603	0.5450
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 545.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4550	9.816507		9.878109		9.938398		10.061603	0.2450
51	585	78	9.878050	59	535	137	465	49
52	664	79	9.877991	59	673	138	327	48
53	742	78	931	60	811	138	189	47
54	821	79	872	59	9.938949	138	10.061051	46
55	899	78	813	59	9.939087	137	10.060914	45
56	9.816978	79	754	59	224	138	776	44
57	9.817056	78	694	60	362	138	638	43
58	135	79	635	59	500	138	500	42
59	213	78	576	59	638	137	362	41
0.4560	292	79	516	60	775	138	225	0.5440
61	370	78	457	59	9.939913	138	10.060087	39
62	448	78	397	60	9.940051	138	10.059949	38
63	526	78	338	59	189	137	811	37
64	605	79	278	60	326	138	674	36
65	683	78	219	59	464	138	536	35
66	761	78	160	59	602	138	398	34
67	839	78	100	60	740	137	261	33
68	918	79	9.877040	60	9.940877	138	10.059123	32
69	9.817996	78	9.876981	59	9.941015	138	10.058985	31
0.4570	9.818074	78	921	60	153	137	847	0.5430
71	152	78	862	59	290	138	710	29
72	230	78	802	60	428	138	572	28
73	308	78	743	59	566	137	434	27
74	386	78	683	60	703	138	297	26
75	464	78	623	60	841	138	159	25
76	542	78	564	59	9.941979	137	10.058021	24
77	620	78	504	60	9.942116	138	10.057884	23
78	698	78	444	60	254	138	746	22
79	776	78	384	60	392	137	608	21
0.4580	854	78	325	59	529	138	471	0.5420
81	9.818932	78	265	60	667	137	333	19
82	9.819010	77	205	60	804	138	196	18
83	087	78	145	60	9.942942	138	10.057058	17
84	165	78	085	59	9.943080	137	10.056920	16
85	243	78	9.876026	60	217	138	783	15
86	321	77	9.875966	60	355	138	645	14
87	398	78	906	60	493	137	508	13
88	476	78	846	60	630	138	370	12
89	554	77	786	60	768	137	232	11
0.4590	631	78	726	60	9.943905	138	10.056095	0.5410
91	709	78	666	60	9.944043	137	10.055957	09
92	787	77	606	60	180	138	820	08
93	864	78	546	60	318	138	682	07
94	9.819942	77	486	60	456	137	545	06
95	9.820019	78	426	60	593	138	407	05
96	097	77	366	60	731	137	269	04
97	174	78	306	60	9.944868	138	10.055132	03
98	252	77	246	60	9.945006	137	10.054994	02
0.4599	329	77	186	60	143	138	857	01
0.4600	9.820406		9.875126		9.945281		10.054719	0.5400
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4600	9.820406	78	9.875126	61	9.945281	137	10.054719	0.5400
01	484	77	065	60	418	138	582	0.5399
02	561	77	9.875005	60	556	137	444	98
03	638	78	9.874945	60	693	138	307	97
04	716	77	885	60	831	137	169	96
05	793	77	825	61	9.945968	138	10.054032	95
06	870	77	764	60	9.946106	137	10.053894	94
07	9.820947	78	704	60	243	138	757	93
08	9.821025	77	644	60	381	137	619	92
09	102	77	584	61	518	138	482	91
0.4610	179	77	523	60	656	137	344	0.5390
11	256	77	463	60	793	138	207	89
12	333	77	403	61	9.946931	137	10.053069	88
13	410	77	342	60	9.947068	138	10.052932	87
14	487	77	282	61	206	137	795	86
15	564	77	221	60	343	137	657	85
16	641	77	161	61	480	138	520	84
17	718	77	100	60	618	137	382	83
18	795	77	9.874040	61	755	138	245	82
19	872	77	9.873979	60	9.947893	137	10.052107	81
0.4620	9.821949	77	919	61	9.948030	138	10.051970	0.5380
21	9.822026	77	858	60	168	137	833	79
22	103	77	798	61	305	137	695	78
23	180	76	737	60	442	138	558	77
24	256	77	677	61	580	137	420	76
25	333	77	616	61	717	138	283	75
26	410	77	555	60	855	137	146	74
27	487	76	495	61	9.948992	137	10.051008	73
28	563	77	434	61	9.949129	138	10.050871	72
29	640	77	373	60	267	137	733	71
0.4630	717	76	313	61	404	137	596	0.5370
31	793	77	252	61	541	138	459	69
32	870	77	191	60	679	137	321	68
33	9.822947	76	131	61	816	137	184	67
34	9.823023	77	070	61	9.949953	138	10.050047	66
35	100	76	9.873009	61	9.950091	137	10.049909	65
36	176	77	9.872948	61	228	137	772	64
37	253	76	887	61	365	138	635	63
38	329	77	826	60	503	137	497	62
39	406	76	766	61	640	137	360	61
0.4640	482	76	705	61	777	138	223	0.5360
41	558	77	644	61	9.950915	137	10.049085	59
42	635	76	583	61	9.951052	137	10.048948	58
43	711	76	522	61	189	138	811	57
44	787	77	461	61	327	137	673	56
45	864	76	400	61	464	137	536	55
46	9.823940	76	339	61	601	138	399	54
47	9.824016	76	278	61	739	137	262	53
48	092	77	217	61	9.951876	137	10.048124	52
49	169	76	156	61	9.952013	137	10.047987	51
0.4650	9.824245	D.	9.872095	D.	9.952150	Dif.	10.047850	0.5350
Arc.	Log. Cosin.		Log. Sin.		Log. Cot.		Log. Tang.	Arc.

0. 465.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4650	9.824245		9.872095		9.952150		10.047850	0.5350
51	321	76	9.872033	62	288	138	712	49
52	397	76	9.871972	61	425	137	575	48
53	473	76	911	61	562	137	438	47
54	549	76	850	61	699	137	301	46
55	625	76	789	61	837	138	163	45
56	701	76	728	62	9.952974	137	10.047026	44
57	777	76	666	61	9.953111	137	10.046889	43
58	853	76	605	61	248	137	752	42
59	0.824929	76	544	61	386	138	615	41
0.5660	9.825005	76	483	62	523	137	477	0.5340
61	081	76	421	61	660	137	340	39
62	157	76	360	61	797	137	203	38
63	233	76	299	62	9.953934	138	10.046066	37
64	309	76	237	61	9.954072	137	10.045928	36
65	385	76	176	62	209	137	791	35
66	460	75	114	61	346	137	654	34
67	536	76	9.871053	61	483	137	517	33
68	612	76	9.870992	62	620	138	380	32
69	688	76	930	61	758	137	243	31
0.4670	763	75	869	62	9.954895	137	10.045105	0.5330
71	839	76	807	61	9.955032	137	10.044968	29
72	915	76	746	62	169	137	831	28
73	9.825990	75	684	61	306	137	694	27
74	9.826066	76	623	62	443	138	557	26
75	141	75	561	62	581	137	420	25
76	217	76	499	61	718	137	282	24
77	293	76	438	62	855	137	145	23
78	368	75	376	62	9.955992	137	10.044008	22
79	444	76	314	61	9.956129	137	10.043871	21
0.4680	519	75	253	62	266	137	734	0.5320
81	594	76	191	62	403	138	597	19
82	670	75	129	61	541	137	460	18
83	745	76	068	62	678	137	322	17
84	821	75	9.870006	62	815	137	185	16
85	896	75	9.869944	62	9.956952	137	10.043048	15
86	9.826971	76	882	61	9.957089	137	10.042911	14
87	9.827047	75	821	62	226	137	774	13
88	122	75	759	62	363	137	637	12
89	197	75	697	62	500	137	500	11
0.4690	272	75	635	62	637	137	363	0.5310
91	347	76	573	62	774	138	226	09
92	423	75	511	62	9.957912	137	10.042089	08
93	498	75	449	62	9.958049	137	10.041951	07
94	573	75	387	62	186	137	814	06
95	648	75	325	62	323	137	677	05
96	723	75	263	62	460	137	540	04
97	798	75	201	62	597	137	403	03
98	873	75	139	62	734	137	266	02
0.4699	9.827948	75	077	62	9.958871	137	10.041129	01
0.4700	9.828023	75	0.869015	62	9.959008	137	10.040992	0.5300
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 530.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4700	9.828023		9.869015		9.959008		10.040992	0.5300
01	098	75		62	145	137	855	0.5299
02	173	75	9.868953	62	282	137	718	98
03	248	75	891	62	419	137	581	97
04	323	75	829	62	556	137	444	96
05	398	75	767	62	693	137	307	95
06	473	75	705	63	830	137	170	94
07	547	74	642	62	9.959967	137	10.040033	93
08	622	75	580	62	9.960104	137	10.039896	92
09	697	75	518	62	241	137	759	91
0.4710	772	75	456	63	378	137	622	0.5290
11	846	74	393	62	515	137	485	89
12	921	75	331	62	652	137	348	88
13	9.828996	75	269	62	789	137	211	87
14	9.829070	74	207	63	9.960926	137	10.039074	86
15	145	75	144	62	9.961063	137	10.038937	85
16	220	75	082	62	200	137	800	84
17	294	74	9.868020	63	337	137	663	83
18	369	75	9.867957	62	474	137	526	82
19	443	74	895	63	611	137	389	81
0.4720	518	75	832	62	748	137	252	0.5280
21	592	74	770	63	9.961885	137	10.038115	79
22	667	75	707	62	9.962022	137	10.037978	78
23	741	74	645	63	159	137	841	77
24	816	75	582	62	296	137	704	76
25	890	74	520	63	433	137	567	75
26	9.829964	74	457	62	570	137	430	74
27	9.830039	75	395	63	707	137	293	73
28	113	74	332	63	844	137	156	72
29	187	74	269	62	9.962981	137	10.037019	71
0.4730	262	75	207	63	9.963118	137	10.036882	0.5270
31	336	74	144	63	255	137	746	69
32	410	74	081	62	391	136	609	68
33	484	74	9.867019	63	528	137	472	67
34	559	75	9.866956	63	665	137	335	66
35	633	74	893	62	802	137	198	65
36	707	74	831	63	9.963939	137	10.036061	64
37	781	74	768	63	9.964076	137	10.035924	63
38	855	74	705	63	213	137	787	62
39	9.830929	74	642	63	350	137	650	61
0.4740	9.831003	74	579	62	487	137	513	0.5260
41	077	74	517	63	624	137	376	59
42	151	74	454	63	761	137	240	58
43	225	74	391	63	9.964897	136	10.035103	57
44	299	74	328	63	9.965034	137	10.034966	56
45	373	74	265	63	171	137	829	55
46	447	74	202	63	308	137	692	54
47	521	74	139	63	445	137	555	53
48	595	74	076	63	582	137	418	52
49	669	73	9.866013	63	719	137	281	51
0.4750	9.831742		9.865950	63	9.965856	137	10.034145	0.5250
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Art.

Arc.	Log. Sin.	D.	Log. Cosio.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4750	9.831742		9.865887		9.965856		10.034145	0.5250
51	816	74	824	63		136		
52	890	74	761	63	9.965992	137	10.034008	49
53	9.831964	74	698	63	9.966129	137	10.033871	48
54	9.832037	73	634	64	266	137	734	47
55	111	74	571	63	403	137	597	46
56	185	74	508	63	540	137	460	45
57	258	73	445	63	677	136	323	44
58	332	74	382	63	813	137	187	43
59	406	74	319	64	9.966950	137	10.033050	42
0.4760	479	73	255	63	9.967087	137	10.032913	41
61	553	74	192	63	224	137	776	0.5240
62	626	73	129	64	361	137	639	39
63	700	74	065	63	498	136	503	38
64	773	73	9.865002	63	634	137	366	37
65	847	74	9.864939	64	771	137	229	36
66	920	73	875	63	9.967908	137	10.032092	35
67	9.832994	74	812	63	9.968045	137	10.031955	34
68	9.833067	73	749	64	182	137	818	33
69	140	73	685	63	318	136	682	32
0.4770	214	74	622	64	455	137	545	31
71	287	73	558	63	592	137	408	0.5230
72	360	73	495	64	729	137	271	29
73	434	74	431	63	9.968866	137	10.031134	28
74	507	73	368	64	9.969002	136	10.030998	27
75	580	73	304	63	139	137	861	26
76	653	73	241	64	276	137	724	25
77	726	73	177	64	413	137	587	24
78	800	74	113	64	550	137	451	23
79	873	73	9.864050	63	686	136	314	22
0.4780	9.833946	73	9.863986	64	823	137	177	21
81	9.834019	73	922	64	9.969960	137	10.030040	0.5220
82	092	73	859	63	9.970097	137	10.029903	19
83	165	73	795	64	233	136	767	18
84	238	73	731	64	370	137	630	17
85	311	73	668	63	507	137	493	16
86	384	73	604	64	644	137	356	15
87	457	73	540	64	780	136	220	14
88	530	73	476	64	9.970917	137	10.029083	13
89	603	73	412	64	9.971054	137	10.028946	12
0.4790	676	73	348	64	191	137	809	11
91	749	73	285	63	327	136	673	0.5210
92	821	72	221	64	464	137	536	09
93	894	73	157	64	601	137	399	08
94	9.834967	73	093	64	738	137	263	07
95	9.835040	73	9.863029	64	9.971874	136	10.028126	06
96	113	73	9.862965	64	9.972011	137	10.027989	05
97	185	72	901	64	148	137	852	04
98	258	73	837	64	284	136	716	03
0.4799	331	73	773	64	421	137	579	02
0.4800	9.835403	72	9.862709	64	558	137	442	01
					9.972695	137	10.027306	0.5200
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 480.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4800	9.835403		9.862709		9.972695		10.027306	0.5200
01	476	73	645	64	831	136	169	0.5199
02	549	73	581	64	9.972968	137	10.027032	98
03	621	72	517	64	9.973105	137	10.026895	97
04	694	73	452	65	241	136	759	96
05	766	72	388	64	378	137	622	95
06	839	73	324	64	515	137	485	94
07	911	72	260	64	651	136	349	93
08	9.835984	73	196	64	788	137	212	92
09	9.836056	72	132	64	9.973925	137	10.026075	91
0.4810	129	73	067	65	9.974061	136	10.025939	0.5190
11	201	72	9.862003	64	198	137	802	89
12	273	72	9.861939	64	335	137	665	88
13	346	73	874	65	472	137	529	87
14	418	72	810	64	608	136	392	86
15	491	73	746	64	745	137	255	85
16	563	72	681	65	9.974882	137	10.025119	84
17	635	72	617	64	9.975018	136	10.024982	83
18	707	73	553	64	155	137	845	82
19	780	73	488	65	292	137	709	81
0.4820	852	72	424	64	428	136	572	0.5180
21	924	72	359	65	565	137	435	79
22	9.836996	72	295	64	701	136	299	78
23	9.837068	72	230	65	838	137	162	77
24	140	72	166	64	9.975975	137	10.024025	76
25	212	72	101	65	9.976111	136	10.023889	75
26	284	72	9.861036	65	248	137	752	74
27	357	73	9.860972	64	385	137	615	73
28	429	72	907	65	521	136	479	72
29	501	72	843	64	658	137	342	71
0.4830	573	72	778	65	795	137	205	0.5170
31	644	71	713	65	9.976931	136	10.023069	69
32	716	72	649	64	9.977068	137	10.022932	68
33	788	72	584	65	205	137	796	67
34	860	72	519	65	341	136	659	66
35	9.837932	72	454	65	478	137	522	65
36	9.838004	72	390	64	614	136	386	64
37	076	72	325	65	751	137	249	63
38	147	71	260	65	9.977888	137	10.022112	62
39	219	72	195	65	9.978024	136	10.021976	61
0.4840	291	72	130	65	161	137	839	0.5160
41	363	72	065	65	297	136	703	59
42	434	71	9.860000	65	434	137	566	58
43	506	72	9.859936	64	571	137	429	57
44	578	72	871	65	707	136	293	56
45	649	71	806	65	844	137	156	55
46	721	72	741	65	9.978980	136	10.021020	54
47	793	72	676	65	9.979117	137	10.020883	53
48	864	71	611	65	254	137	746	52
49	9.838936	72	546	65	390	136	610	51
0.4850	9.839007	71	9.859480	66	9.979527	137	10.020473	0.5150
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0. 515.

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4850	9.839007		9.859480		9.979527		10.020473	0.5150
51	079	72	415	65	663	136	337	49
52	150	71	350	65	800	137	200	48
53	222	72	285	65	9.979937	137	10.020064	47
54	293	71	220	65	9.980073	136	10.019927	46
55	365	72	155	65	210	137	790	45
56	436	71	090	66	346	136	654	44
57	507	71	9.859024	65	483	137	517	43
58	579	72	9.858959	65	619	136	381	42
59	650	71	894	65	756	137	244	41
0.4860	721	71	829	66	9.980893	137	10.019107	0.5140
61	793	72	763	65	9.981029	136	10.018971	39
62	864	71	698	65	166	137	834	38
63	9.839935	71	633	66	302	136	698	37
64	9.840006	71	567	65	439	137	561	36
65	077	71	502	65	575	136	425	35
66	149	72	437	66	712	137	288	34
67	220	71	371	65	849	137	152	33
68	291	71	306	66	9.981985	136	10.018015	32
69	362	71	240	65	9.982122	137	10.017878	31
0.4870	433	71	175	66	258	136	742	0.5130
71	504	71	109	65	395	137	605	29
72	575	71	9.858044	66	531	136	469	28
73	646	71	9.857978	65	668	137	332	27
74	717	71	913	66	804	136	196	26
75	788	71	847	65	9.982941	137	10.017059	25
76	859	71	782	66	9.983078	137	10.016923	24
77	9.840930	71	716	66	214	136	786	23
78	9.841001	71	650	65	351	137	650	22
79	072	71	585	66	487	136	513	21
0.4880	143	71	519	66	624	137	376	0.5120
81	213	70	453	66	760	136	240	19
82	284	71	387	65	9.983897	137	10.016103	18
83	355	71	322	66	9.984033	136	10.015967	17
84	426	71	256	66	170	137	830	16
85	496	70	190	66	306	136	694	15
86	567	71	124	66	443	137	557	14
87	638	71	9.857059	65	579	136	421	13
88	709	71	9.856993	66	716	137	284	12
89	779	70	927	66	852	136	148	11
0.4890	850	71	861	66	9.984989	137	10.015011	0.5110
91	920	70	795	66	9.985125	136	10.014875	09
92	9.841991	71	729	66	262	137	738	08
93	9.842062	71	663	66	398	136	602	07
94	132	70	597	66	535	137	465	06
95	203	71	531	66	671	136	329	05
96	273	70	465	66	808	137	192	04
97	344	71	399	66	9.985945	137	10.014056	03
98	414	70	333	66	9.986081	136	10.013919	02
0.4899	484	70	267	66	218	137	783	01
0.4900	9.842555	71	9.856201	66	9.986354	136	10.013646	0.5100
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

Arc.	Log. Sin.	D.	Log. Cos.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4900	9.842555	70	9.856201	66	9.986354	137	10.013646	0.5100
01	625	71	135	66	491	136	510	0.5099
02	696	70	069	67	627	137	373	98
03	766	70	9.856002	66	764	136	237	97
04	836	71	9.855936	66	9.986900	137	10.013100	96
05	907	70	870	66	9.987037	136	10.012964	95
06	9.842977	70	804	66	173	137	827	94
07	9.843047	70	738	67	310	136	691	93
08	117	71	671	66	446	137	554	92
09	188	70	605	66	583	136	418	91
0.4910	258	70	539	67	719	137	281	0.5090
11	328	70	472	66	856	136	145	89
12	398	70	406	66	9.987992	136	10.012008	88
13	468	70	340	67	9.988128	137	10.011872	87
14	538	70	273	66	265	136	735	86
15	608	70	207	67	401	137	599	85
16	678	70	140	66	538	136	462	84
17	748	70	074	66	674	137	326	83
18	818	70	9.855008	67	811	136	189	82
19	888	70	9.854941	66	9.988947	137	10.011053	81
0.4920	9.843958	70	875	67	9.989084	136	10.010916	0.5080
21	9.844028	70	808	67	220	137	780	79
22	098	70	741	66	357	136	643	78
23	168	70	675	67	493	137	507	77
24	238	70	608	66	630	136	370	76
25	308	70	542	67	766	137	234	75
26	378	70	475	67	9.989903	136	10.010097	74
27	448	69	408	66	9.990039	137	10.009961	73
28	517	70	342	67	176	136	824	72
29	587	70	275	67	312	137	688	71
0.4930	657	70	208	67	449	136	551	0.5070
31	727	69	141	66	585	137	415	69
32	796	70	075	67	722	136	279	68
33	866	70	9.854008	67	858	137	142	67
34	9.844936	69	9.853941	67	9.990995	136	10.009006	66
35	9.845005	70	874	67	9.991131	136	10.008869	65
36	075	69	807	66	267	137	733	64
37	144	70	741	67	404	136	596	63
38	214	70	674	67	540	137	460	62
39	284	69	607	67	677	136	323	61
0.4940	353	70	540	67	813	137	187	0.5060
41	423	69	473	67	9.991950	136	10.008050	59
42	492	70	406	67	9.992086	137	10.007914	58
43	562	69	339	67	223	136	777	57
44	631	69	272	67	359	137	641	56
45	700	70	205	67	496	136	504	55
46	770	69	138	67	632	137	368	54
47	839	70	071	67	769	136	232	53
48	909	69	9.853004	68	9.992905	136	10.007095	52
49	9.845978	69	9.852936	67	9.993041	137	10.006959	51
0.4950	9.846047	69	9.852869	67	9.993178	137	10.006822	0.5050
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.495

Arc.	Log. Sin.	D.	Log. Cosin.	D.	Log. Tang.	Dif.	Log. Cot.	Arc.
0.4950	9.846047		9.852869		9.993178		10.006822	0.5050
51	116	69	802	67	314	136	686	49
52	186	70	735	67	451	137	549	48
53	255	69	668	67	587	136	413	47
54	324	69	601	67	724	137	276	46
55	393	69	533	68	860	136	140	45
56	463	70	466	67	9.993997	137	10.006003	44
57	532	69	399	67	9.994133	136	10.005867	43
58	601	69	331	68	270	137	731	42
59	670	69	264	67	406	136	594	41
0.4960	739	69	197	67	542	136	458	0.5040
61	808	69	129	68	679	137	321	39
62	877	69	9.852062	67	815	136	185	38
63	9.846946	69	9.851995	67	9.994952	137	10.005048	37
64	9.847015	69	927	68	9.995088	136	10.004912	36
65	084	69	860	67	225	137	775	35
66	153	69	792	68	361	136	639	34
67	222	69	725	67	498	137	503	33
68	291	69	657	68	634	136	366	32
69	360	69	590	67	770	136	230	31
0.4970	429	69	522	68	9.995907	137	10.004093	0.5030
71	498	69	454	68	9.996043	136	10.003957	29
72	566	68	387	67	180	137	820	28
73	635	69	319	68	316	136	684	27
74	704	69	252	67	453	137	547	26
75	773	69	184	68	589	136	411	25
76	842	69	116	68	726	137	275	24
77	910	68	9.851048	68	862	136	138	23
78	9.847979	69	9.850980	68	9.996998	136	10.003002	22
79	9.848048	69	913	67	9.997135	137	10.002865	21
0.4980	116	68	845	68	271	136	729	0.5020
81	185	69	777	68	408	137	592	19
82	254	69	710	67	544	136	456	18
83	322	68	642	68	681	137	320	17
84	391	69	574	68	817	136	183	16
85	459	68	506	68	9.997953	136	10.002047	15
86	528	69	438	68	9.998090	137	10.001910	14
87	596	68	370	68	226	136	774	13
88	665	69	302	68	363	137	637	12
89	733	68	234	68	499	136	501	11
0.4990	802	69	[illegible]	[illegible]	636	137	364	0.5010
91	870	68	098	68	772	136	228	09
92	9.848939	69	9.850030	68	9.998909	137	10.001092	08
93	9.849007	68	9.849962	68	9.999045	136	10.000955	07
94	075	68	894	68	181	136	819	06
95	144	69	826	68	318	137	682	05
96	212	68	758	68	454	136	546	04
97	280	68	690	68	591	137	409	03
98	349	69	621	69	727	136	273	02
0.4999	417	68	553	68	9.999864	137	136	01
0.5000	9.849485	68	9.849485	68	10.000000	136	10.000000	0.5000
Arc.	Log. Cosin.	D.	Log. Sin.	D.	Log. Cot.	Dif.	Log. Tang.	Arc.

0.500.

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Eg. tn/t/br. 116.